

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

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COMMISSIONER

01/26/2012

Larry Bates
Assistant District Attorney, Suffolk County

Dear ADA Bates,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Kate Corbett.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Khan, Annie (DPH)

From: Khan, Annie (DPH)
Sent: Thursday, January 12, 2012 12:12 PM
To: Bates, Larry (SUF); Corbett, Kate (DPH)
Subject: RE: Lab Notes and Summons BMC Docket Number [REDACTED] case

Hi Larry,

Hope this email finds you well.

Upon reviewing this case, the Lab#s may be incorrect.

At your convenience, could you please check if these are the correct Lab#s?

Sorry for the inconvenience.

Thanks.

Annie
Drug Analysis Lab
617-983-6622 (work)
617-983-6625 (fax)

Lab #

Process of
elimination
ASD

From: Bates, Larry (SUF)
Sent: Wednesday, January 11, 2012 2:58 PM
To: Khan, Annie (DPH); Corbett, Kate (DPH)
Subject: Lab Notes and Summons BMC Docket Number [REDACTED] case

Greetings Once More

Attached please find a summons for your appearance on the above given case at BMC for Feb 15.
Request is also made for you forward a copy of lab notes for case number [REDACTED]
and should you not be able to attend the court date, please notify me. Lastly, thank you for your assistance.

Larry Bates

1/26/2012

Folk_OIG_PRR_030557

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry

University of Massachusetts, Boston, Ma, Bachelor of Science

Major: Biochemistry

Minor: Economics

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Writing of the Standard Operating Procedures (SOPs) and Protocols.

*Responsible for the Quality Control and Quality Assurance of analytical instruments, reagents and controls/standards.

*Maintenance and repairs of analytical instruments.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health.

*Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MBL Quality Control and Quality Assurance Department for the Food and Drug Administration.

*Method Development for creating new techniques for the QC Dept. and FDA.

*Writing, revising and reviewing the Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Courses:

Department of Justice – Forensics Professionals

Introduction to Forensic Drug Chemistry

Chemical Spot Test and Mechanism for Illicit Drugs

Forensic Mass Spectrometry

Forensic Science 101: An Introduction

Fundamentals of Forensic Questioned Documents

Perspectives in Expert Testimony

Evidence Analysis

Ethics in Forensic Science

Transition to Leadership

Fundamentals of Forensic Toxicology

Additional Trainings:

Good Laboratory Practice/Good Manufacturing Practice (GLP/GMP) training with Massachusetts Biologic Laboratory.

Quality Control/Quality Assurance (QC/QA) training according to FDA Codes and Regulations.

Gas Chromatography (GC) and Gas Chromatography/Mass Spectrometry (GC/MS) trainings with Agilent Technologies and Restek.

High Power Liquid Chromatography (HPLC) and HPLC/MS/MS trainings with Waters Cooperation.

Fourier Transform Infrared Spectroscopy (FTIR) training with Spectros and Spectrum One.

Ultraviolet-Visible Spectroscopy (UV-Vis) training with Agilent Technologies and Beckman.

Total Organic Carbon Analyzer (TOC) training with MBL and Sievers.

Associations:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 – August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units



DRUG RECEIPT

CC # [REDACTED]
BOOK # 67
PAGE # 6
DESTRUCTION # _____

District/Unit D-4 DCU
Name & Rank of Arresting Officer Sgt. Det. Keenan ID# 10652

| DEFENDANT'S NAME | ADDRESS | CITY | STATE |
|---------------------------------|----------------|--------------|-----------------|
| [REDACTED] | [REDACTED] | Boston | MA |
| [REDACTED] | [REDACTED] | Boston | MA |
| LAB USE ONLY | | | |
| DESCRIPTION OF ITEMS SUBMITTED | GROSS QUANTITY | GROSS WEIGHT | ANALYSIS NUMBER |
| White rock (crack cocaine) | 2 p/b's | 4.36g | [REDACTED] |
| White pills (800 mg Gabapentin) | 40 pills | 20.27g | [REDACTED] |
| Tan powder (Heroin) | 46 G/B's | 57.89g | [REDACTED] |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sybil White ID# 11049
Received by [Signature] Date 2-3-11
ECU Control # _____

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]

Date Analyzed: 2/10/11

Amount:
No. Cont: 2 Cont: pb
Date Rec'd: 02/03/2011
Gross Wt.: 4.36

Subst: SUB

No. Analyzed: 1
Net Weight: 0.16

Tests: 6 ASD
• 20AT

Prelim: cocaine (E)

Findings: Cocaine

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]

Date Analyzed: 03-26-11

Amount: 40.0
No. Cont: 1 Cont: pb
Date Rec'd: 02/03/2011
Gross Wt.: 20.29

Subst: TAB

No. Analyzed:
Net Weight:

Tests: 1A TL
ASD

Prelim: E

Findings: gabapentin

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]

Date Analyzed: 2/16/11

Amount:
No. Cont: 46 Cont: gb
Date Rec'd: 02/03/2011
Gross Wt.: 57.89

Subst: SUB

No. Analyzed: 5
Net Weight: 0.86

Tests: 25 ASD
• 10KAC

Prelim: Heroin

Findings: Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST ASJ

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

off white chunky substance
in 2 pbs

Gross Wt (2): 0.3721

Gross Wt (1): 0.2126

Pkg. Wt:

Net Wt: 0.1640

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) +

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride +

TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 2-8-11

GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS
OPERATOR KAC

DATE 2-10-11

SAMPLE # [REDACTED] AGENCY Boston ANALYST ASD

Evidence Wt.

Gross Wt (): _____

Gross Wt (): _____

Pkg. Wt:

Net Wt: 51.2238

8444 800

Spot Tests

Cobalt
Thiocyanate ()

Marquis

Froehde's

Mecke's

Gold
Chloride

TLTA ()

$$m_{\text{max}}(K, A, P)$$

RESULTS Acute reaction

DATE 3-26-11

RESULTS

MS
OPERATOR

DATE _____

Drug Information

DRUG NAME: GABAPENTIN

INGREDIENTS: GABAPENTIN -- 800 MG

Color: White

Shape: Oval

Imprint: 4444 The tablet is debossed with a hourglass logo and 4444 on one side and 800 on the reverse side. , Hourglass 4444 800 The tablet is debossed with a hourglass logo and 4444 on one side and 800 on the reverse side. , 800

Form: Oral Tablet

Available-Container-Size: Bottle of 100 , Bottle of 500 , Strip of 100 , Bottle of 1000

AAPCC Code: 077730 - Other Types of Anticonvulsant (Excluding Barbiturates)

NDC: 0093-4444-01

0093-4444-05

0172-4444-60

0172-4444-70

0172-4444-10

Excipients: Lactose (Monohydrate) ; Cellulose, Microcrystalline ; Polyethylene Glycol

Regulatory Status: RX

Availability: United States

Product ID 6738350

Contact: Teva Pharmaceuticals

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DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST ASN

No. of samples tested: 5 Evidence Wt. ✓

PHYSICAL DESCRIPTION:

Beige powdered substance
in 46 gbs

1 gb empty → not weighed.

Gross Wt (45): 9.7000

Gross Wt (5): 1.0902

Pkg. Wt:

Net Wt:

PRELIMINARY TESTS

Spot Tests

Cobalt
S Thiocyanate (+)

S Marquis +

S Froehde's +

S Mecke's +

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

SGC+

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 2-08-11

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS
OPERATOR ICAC

DATE 2-16-11

Sample #: [REDACTED]

samples tested: 5

| # | Gross Weight | Packet Weight | Net Weight | # | Gross Weight | Packet Weight | Net Weight |
|----|--------------|---------------|------------|----|--------------|---------------|------------|
| 1 | 0.2187 | 0.1937 | 0.0180 | 26 | | | |
| 2 | 0.2143 | 0.2007 | 0.0136 | 27 | | | |
| 3 | 0.2164 | 0.1989 | 0.0175 | 28 | | | |
| 4 | 0.2311 | 0.2021 | 0.0290 | 29 | | | |
| 5 | 0.2227 | 0.2063 | 0.0164 | 30 | | | |
| 6 | | | | 31 | | | |
| 7 | | | | 32 | | | |
| 8 | | | | 33 | | | |
| 9 | | | | 34 | | | |
| 10 | | | | 35 | | | |
| 11 | | | | 36 | | | |
| 12 | | | | 37 | | | |
| 13 | | | | 38 | | | |
| 14 | | | | 39 | | | |
| 15 | | | | 40 | | | |
| 16 | | | | 41 | | | |
| 17 | | | | 42 | | | |
| 18 | | | | 43 | | | |
| 19 | | | | 44 | | | |
| 20 | | | | 45 | | | |
| 21 | | | | 46 | | | |
| 22 | | | | 47 | | | |
| 23 | | | | 48 | | | |
| 24 | | | | 49 | | | |
| 25 | | | | 50 | | | |

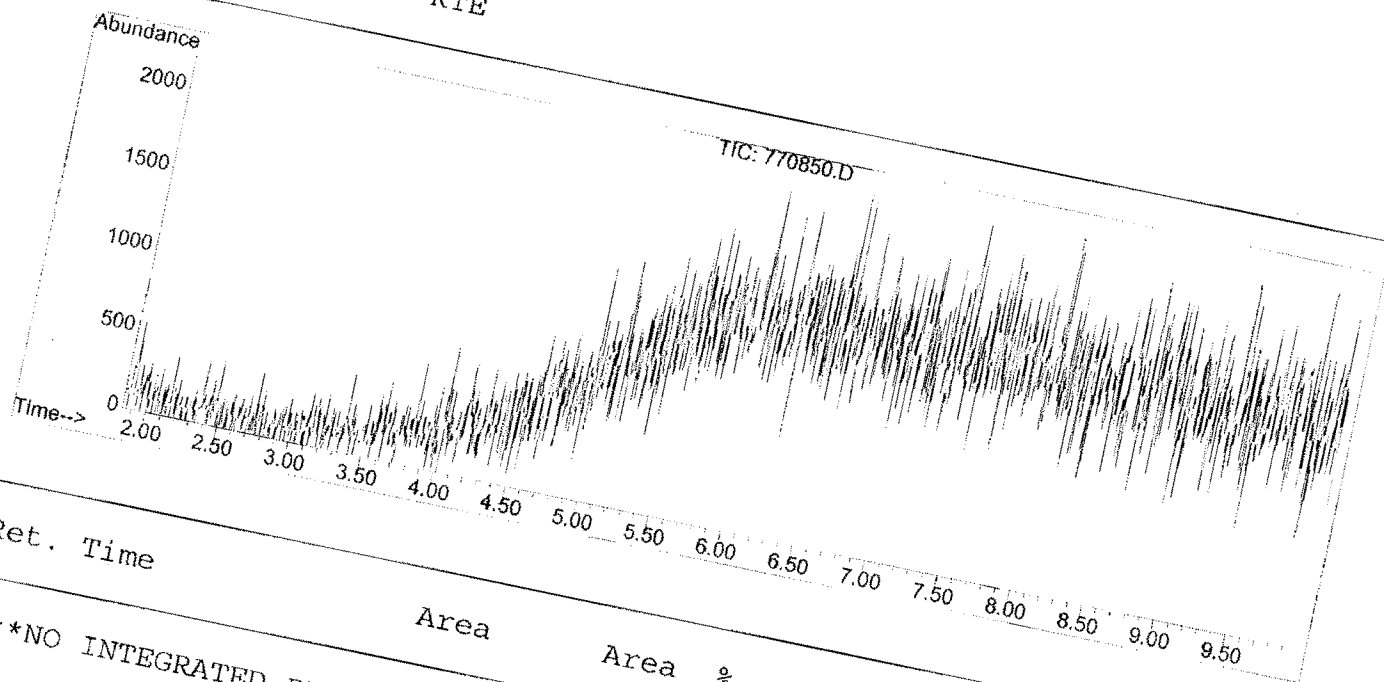
Calculations:

$$\begin{aligned} \text{Est Net wt} &= 0.0945 / 5 = 0.0189(46) \\ &= 0.8694 \end{aligned}$$

Area Percent / Library Search Report

VKHC
1/25/12

Information from Data File:
 File Name : D:\SYSTEM4\02_09_11\770850.D
 Operator : SLD
 Date Acquired : 9 Feb 2011 21:22
 Sample Name : BLANK
 Submitted by :
 Vial Number : 1
 AcquisitionMeth: DRUGS
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|---------------------------|------|--------|---------|
| ***NO INTEGRATED PEAKS*** | | | |

770850.D

Wed Jan 25 11:21:00 2012

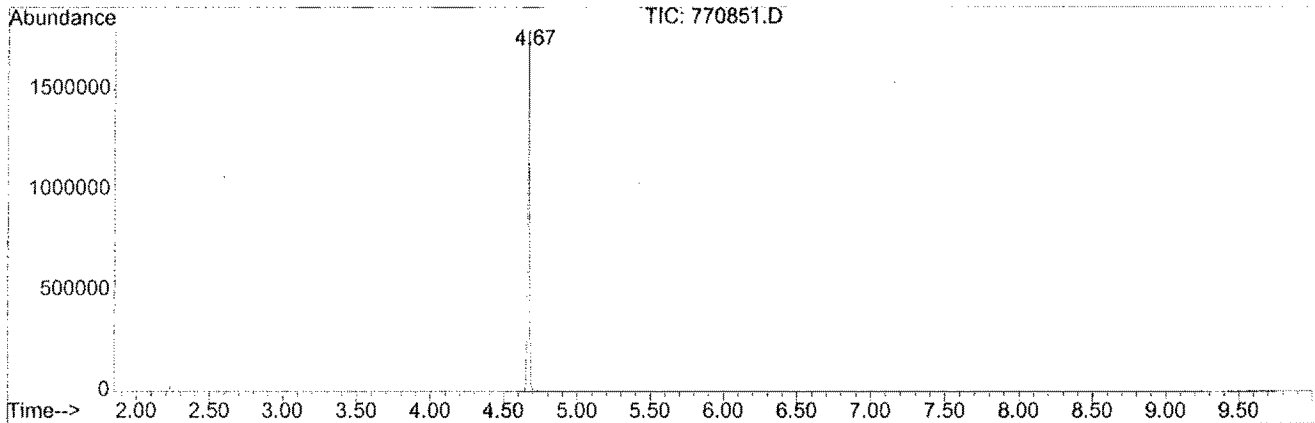
Page 1

Folk_OIG_PRR_030567

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\02_09_11\770851.D
Operator : SLD
Date Acquired : 9 Feb 2011 21:35
Sample Name : COCAINE STD
Submitted by :
Vial Number : 51
AcquisitionMeth: DRUGS
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.666 | 1636731 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

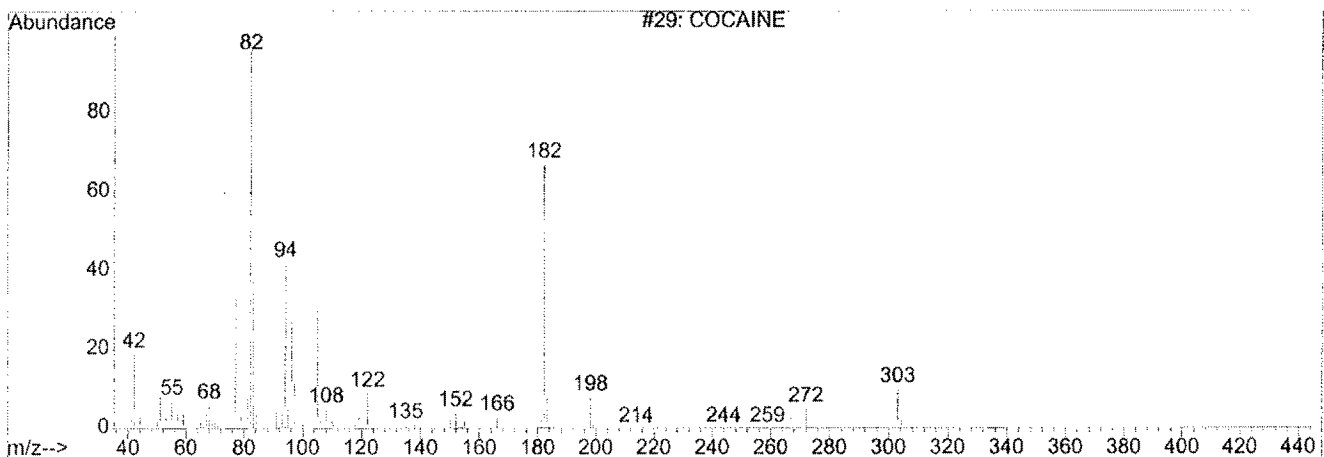
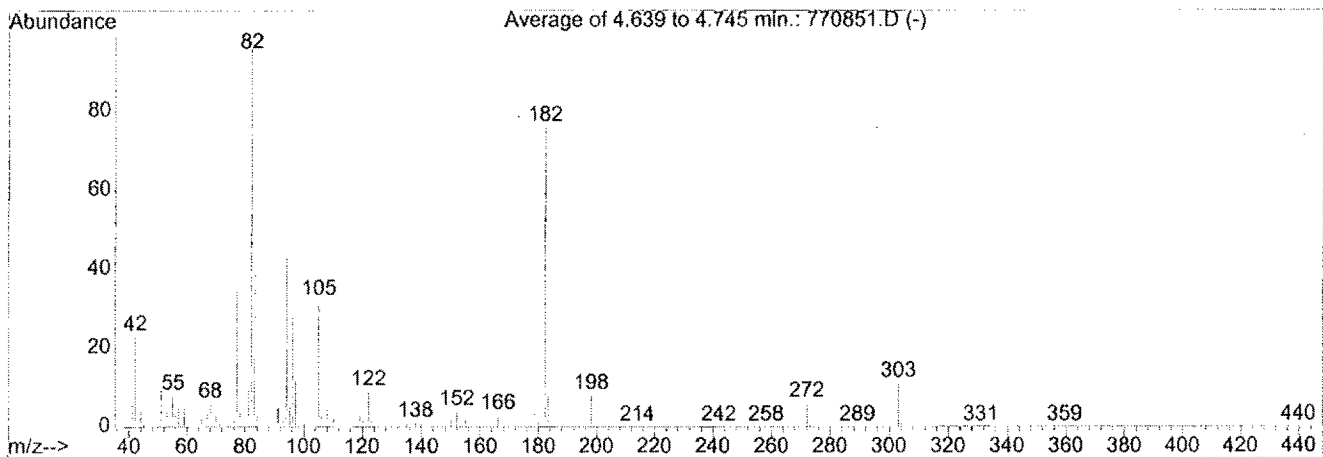
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File Name       : D:\SYSTEM4\02_09_11\770851.D
Operator        : SLD
Date Acquired   : 9 Feb 2011 21:35
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 51
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

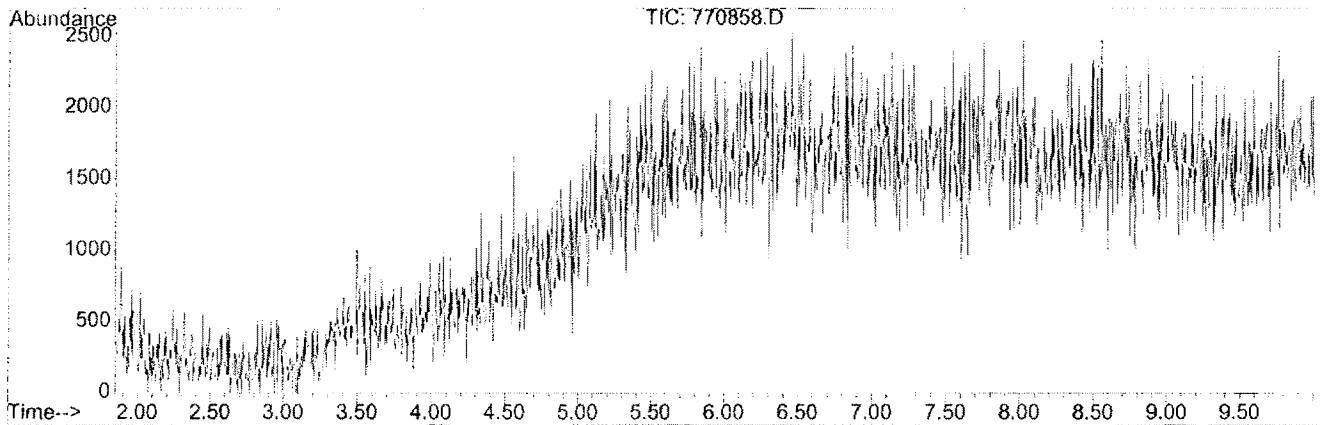
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 1 | 4.67 | C:\DATABASE\SLI.L COCAINE | 000050-36-2 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\02_09_11\770858.D
Operator : SLD
Date Acquired : 9 Feb 2011 23:12
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



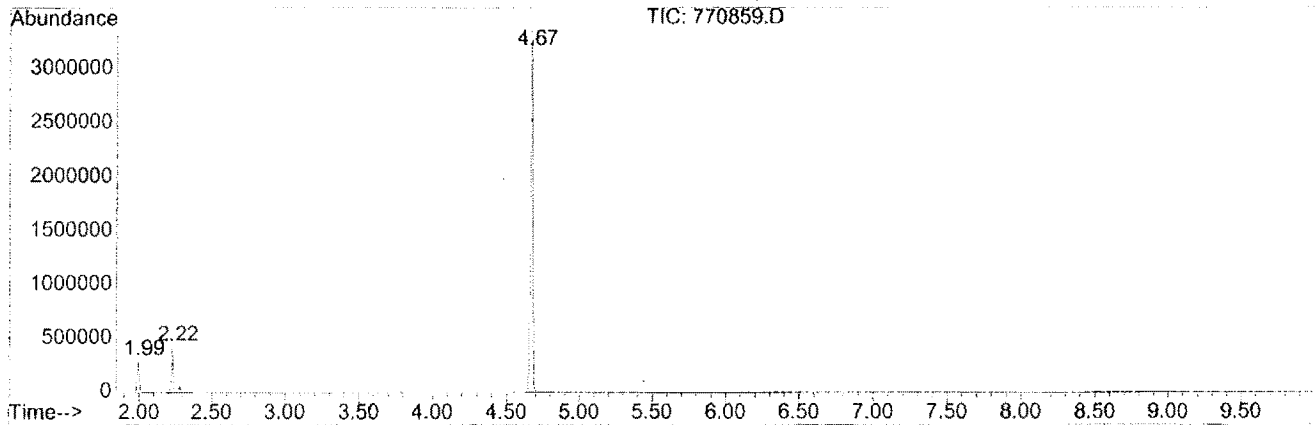
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\02_09_11\770859.D
 Operator : SLD
 Date Acquired : 9 Feb 2011 23:26
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 59
 AcquisitionMeth: DRUGS
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 1.992 | 295989 | 6.99 | 8.31 |
| 2.225 | 372895 | 8.81 | 10.46 |
| 4.668 | 3563840 | 84.20 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

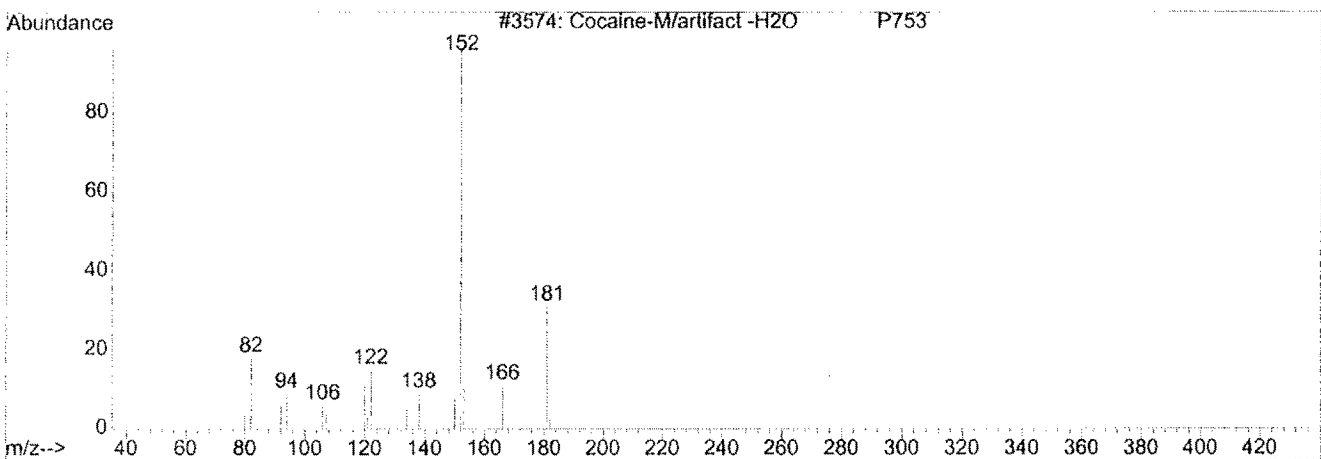
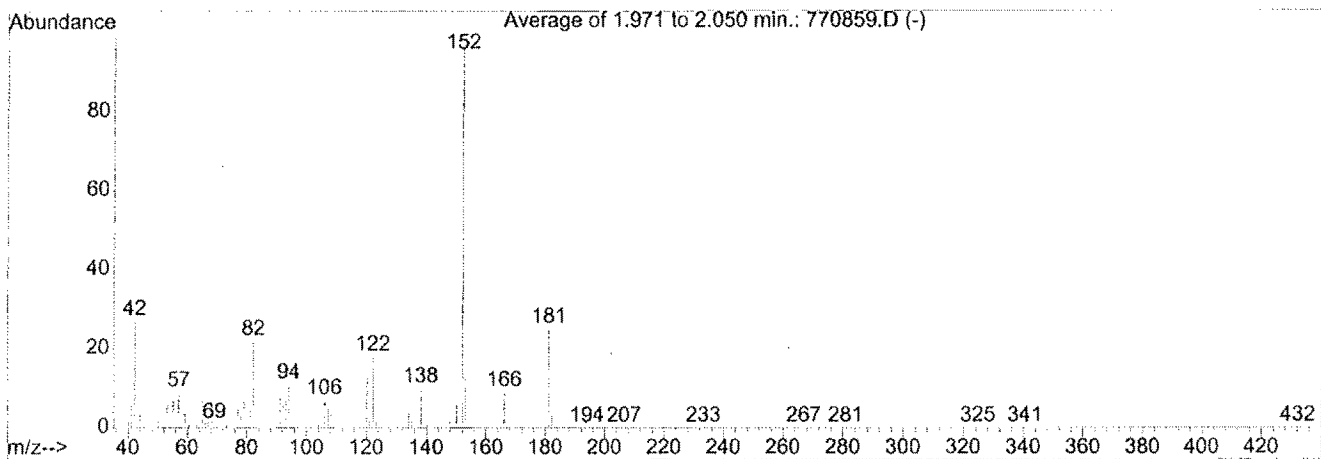
```

File Name       : D:\SYSTEM4\02_09_11\770859.D
Operator        : SLD
Date Acquired   : 9 Feb 2011 23:26
Sample Name     : 
Submitted by    : ASD
Vial Number     : 59
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------------|-------------|------|
| 1 | 1.99 | C:\DATABASE\PMW_TOX2.L | | |
| | | Cocaine-M/artifact -H2O | 000000-00-0 | 96 |
| | | MDA-M (desmethylenyl-methyl-) ME @ | 000000-00-0 | 37 |
| | | Metipranolol-M/artifact AC | 000000-00-0 | 32 |



Area Percent / Library Search Report

Information from Data File:

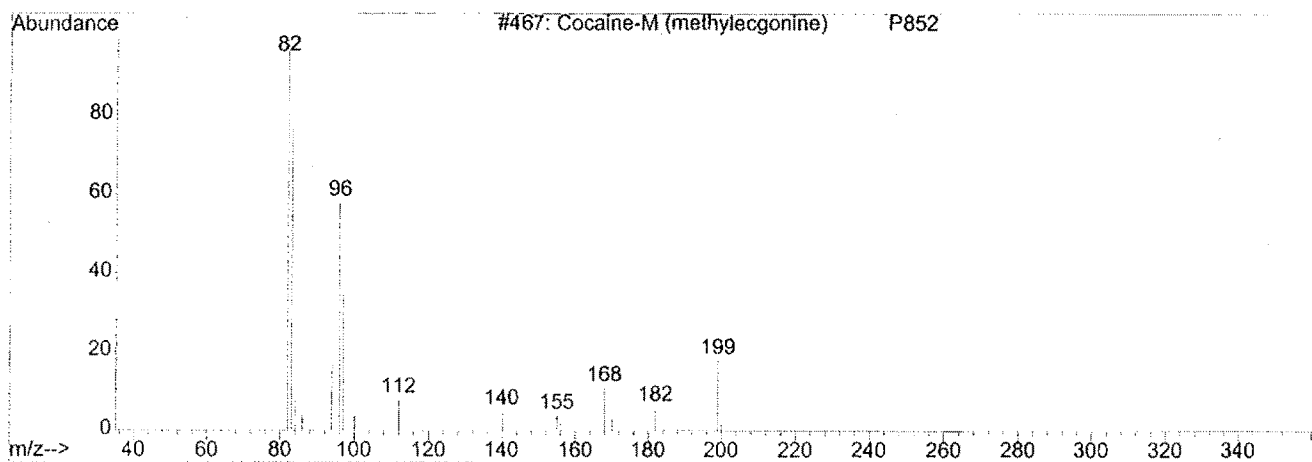
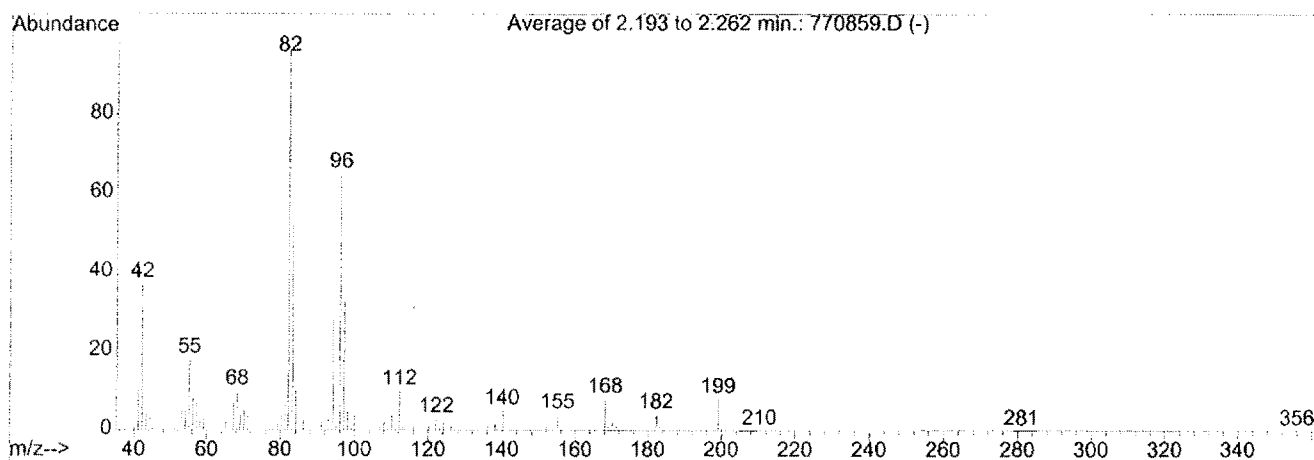
```

File Name       : D:\SYSTEM4\02_09_11\770859.D
Operator        : SLD
Date Acquired   : 9 Feb 2011 23:26
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 59
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------|-------------|------|
| 2 | 2.22 | C:\DATABASE\PMW_TOX2.L | | |
| | | Cocaine-M (methylecgonine) | 007143-09-1 | 96 |
| | | Cocaine | 000050-36-2 | 38 |
| | | Cocaine-M (methylecgonine) AC | 000000-00-0 | 9 |



Area Percent / Library Search Report

Information from Data File:

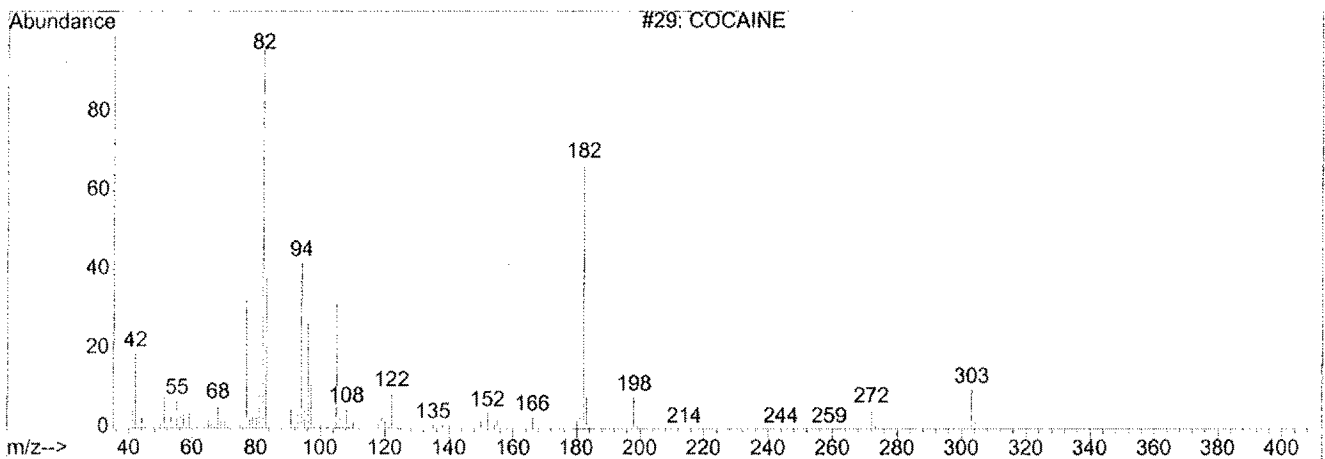
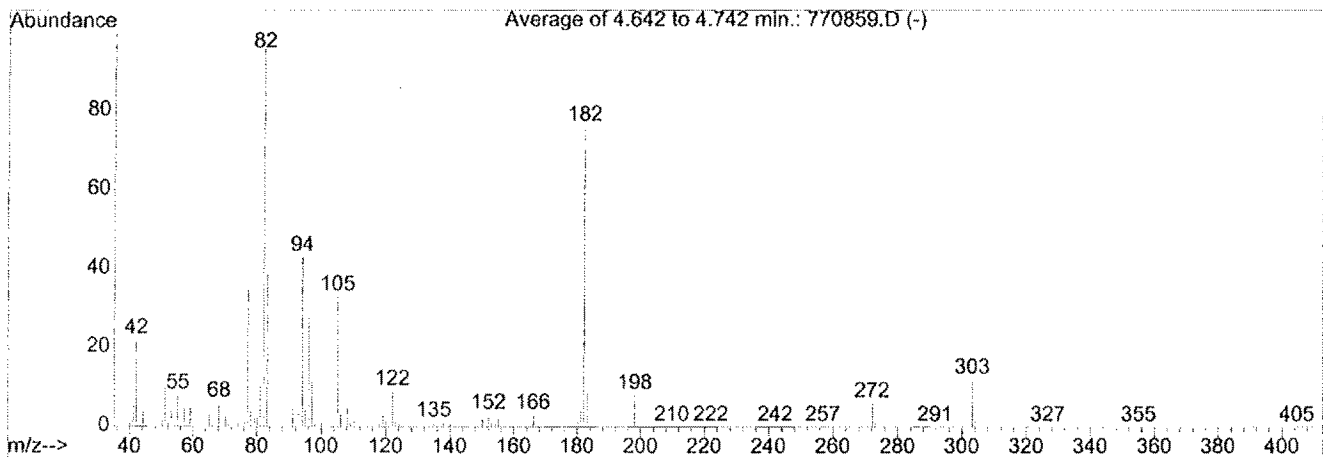
```

File Name       : D:\SYSTEM4\02_09_11\770859.D
Operator        : SLD
Date Acquired   : 9 Feb 2011 23:26
Sample Name     : 
Submitted by    : ASD
Vial Number     : 59
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

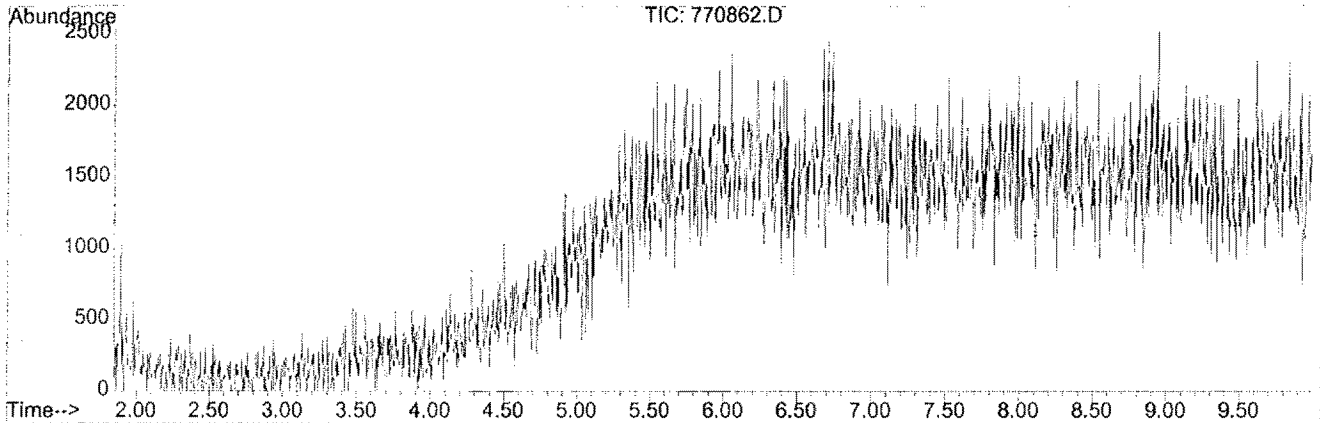
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 3 | 4.67 | C:\DATABASE\SLI.L COCAINE | 000050-36-2 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\02_09_11\770862.D
Operator : SLD
Date Acquired : 10 Feb 2011 00:07
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



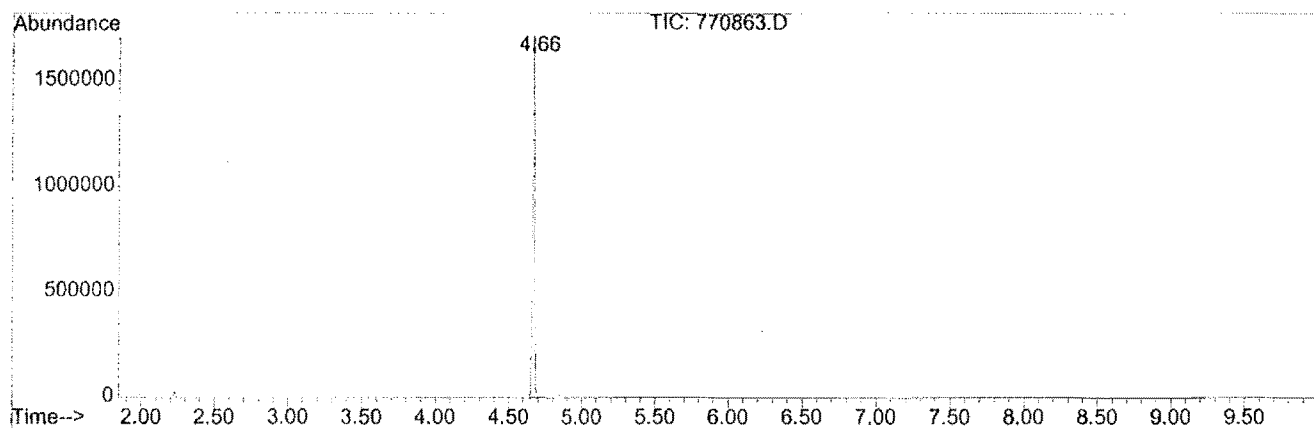
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\02_09_11\770863.D
 Operator : SLD
 Date Acquired : 10 Feb 2011 00:21
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 51
 AcquisitionMeth: DRUGS
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.663 | 1728398 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

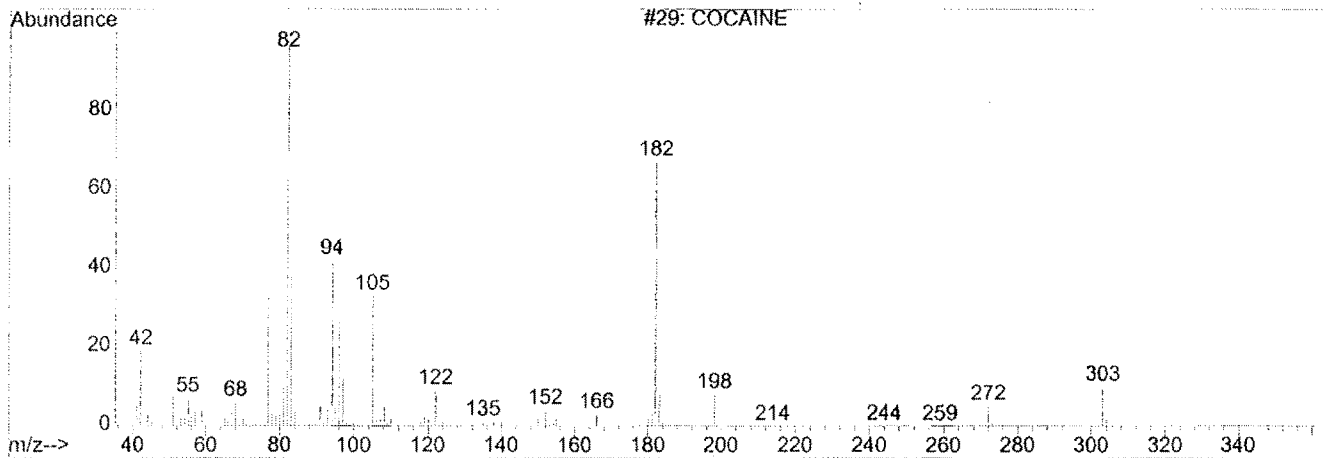
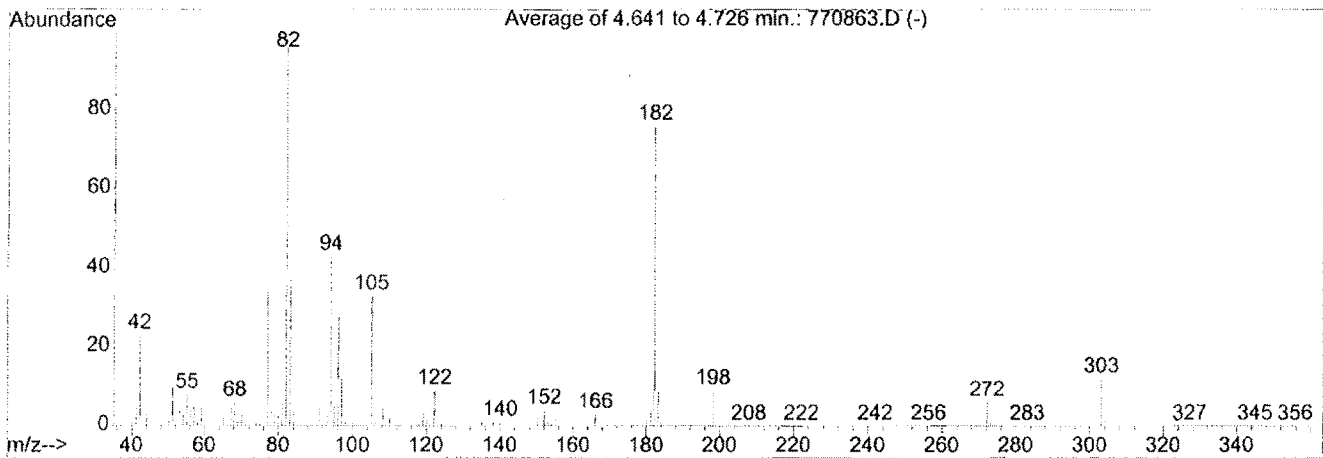
```

File Name       : D:\SYSTEM4\02_09_11\770863.D
Operator        : SLD
Date Acquired   : 10 Feb 2011  00:21
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 51
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

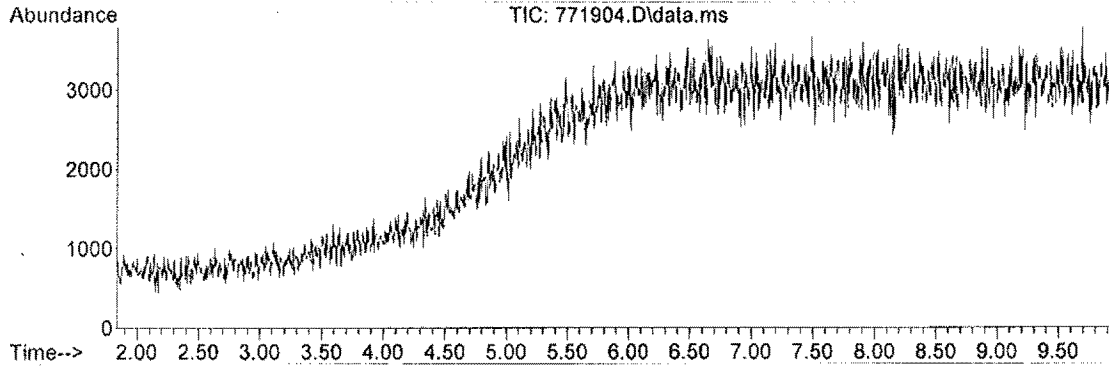
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 1 | 4.66 | C:\DATABASE\SLI.L COCAINE | 000050-36-2 | 99 |



✓KAC
1/25/12

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771904.D
Operator : KAC
Date Acquired : 15 Feb 2011 9:25
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

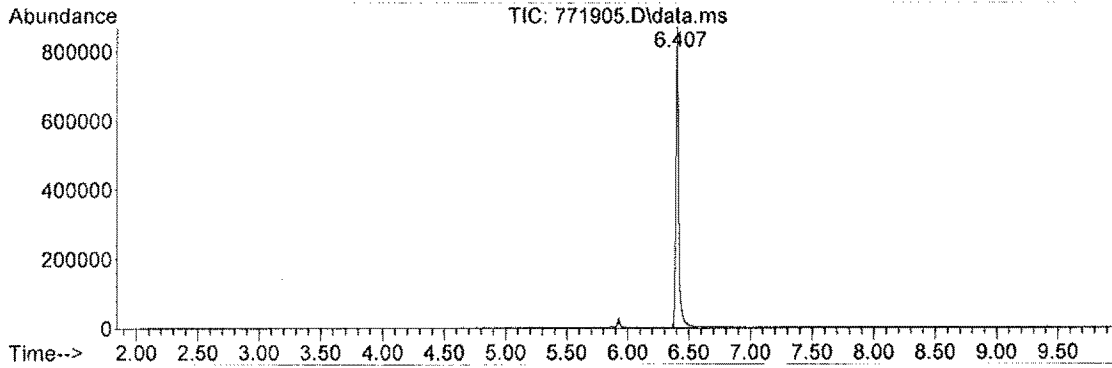


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771905.D
 Operator : KAC
 Date Acquired : 15 Feb 2011 9:38
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 5
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



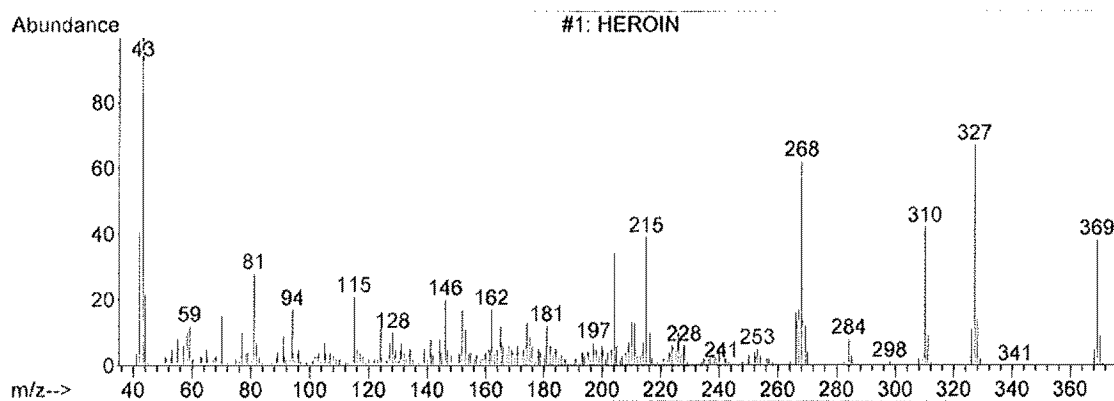
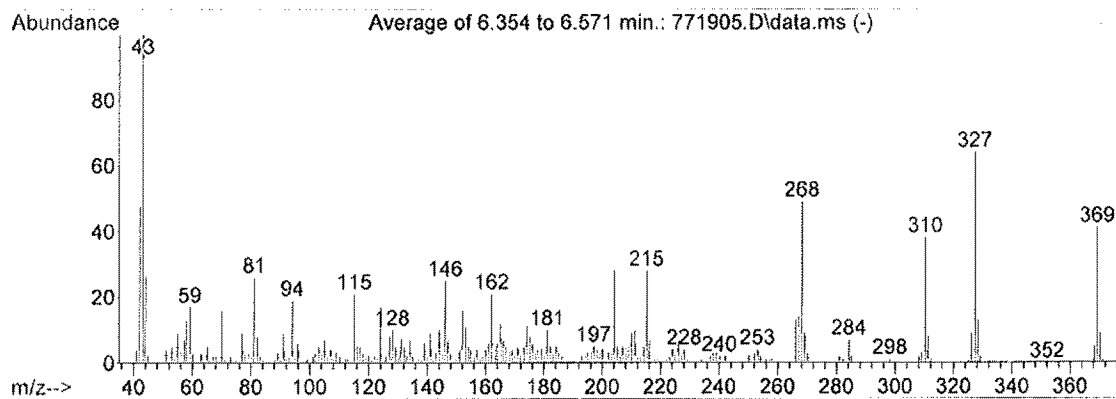
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.407 | 1376028 | 100.00 | 100.00 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771905.D
Operator : KAC
Date Acquired : 15 Feb 2011 9:38
Sample Name : HEROIN STD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

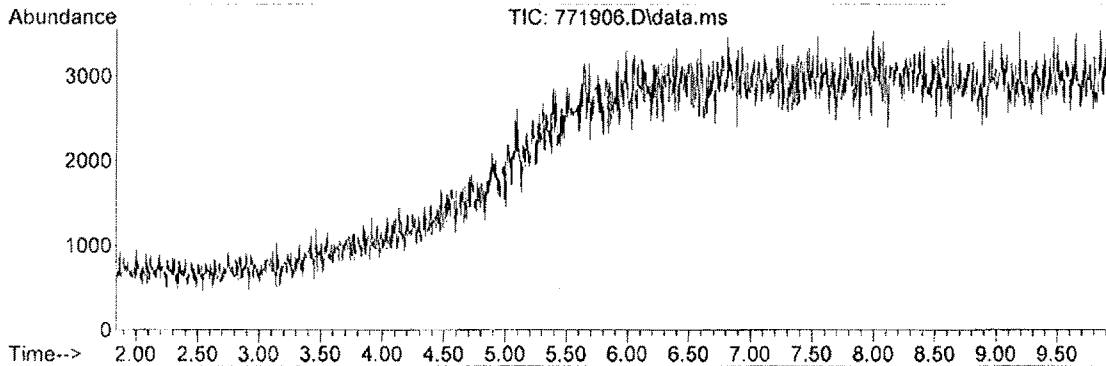
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 1 | 6.41 | C:\Database\SLI.L HEROIN | 000561-27-3 | 99 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771906.D
Operator : KAC
Date Acquired : 15 Feb 2011 9:51
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

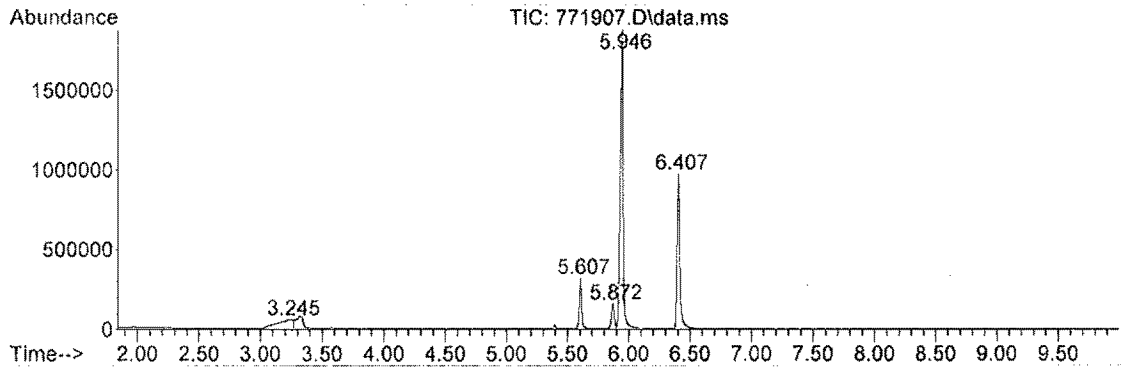


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE



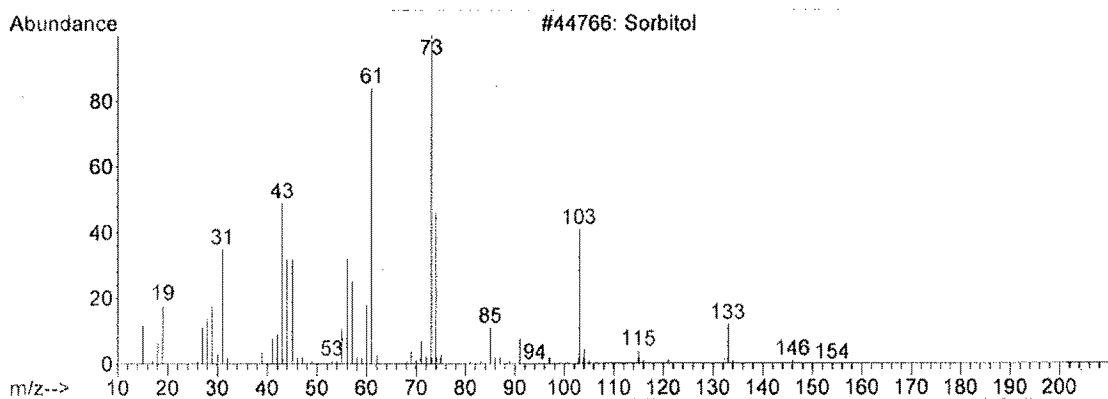
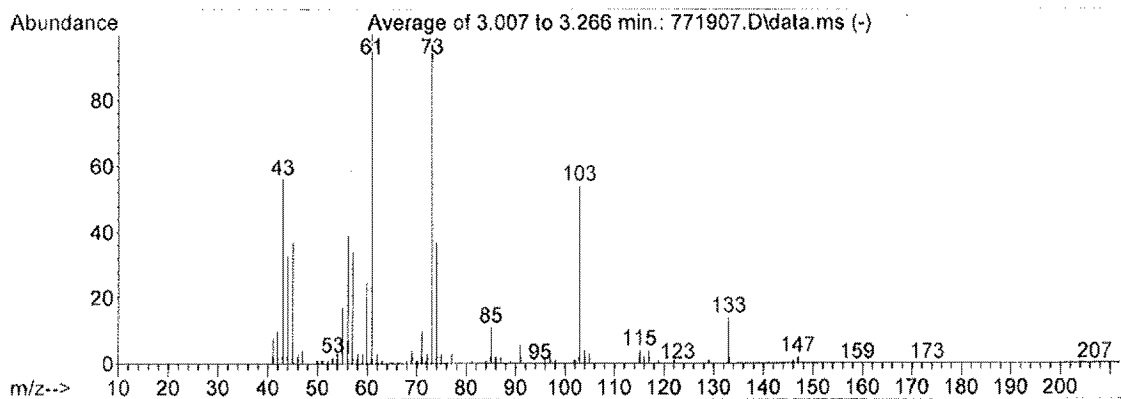
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.245 | 512102 | 8.71 | 16.45 |
| 5.607 | 440354 | 7.49 | 14.15 |
| 5.872 | 247462 | 4.21 | 7.95 |
| 5.946 | 3112744 | 52.91 | 100.00 |
| 6.407 | 1570135 | 26.69 | 50.44 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.25 | C:\Database\NIST05a.L | | |
| | | Sorbitol | 000050-70-4 | 87 |
| | | Sorbitol | 000050-70-4 | 86 |
| | | Sorbitol | 000050-70-4 | 80 |

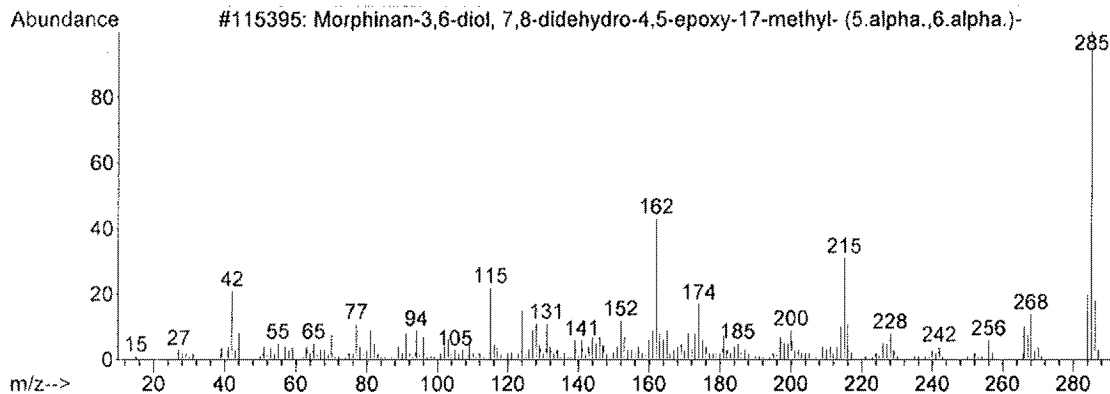
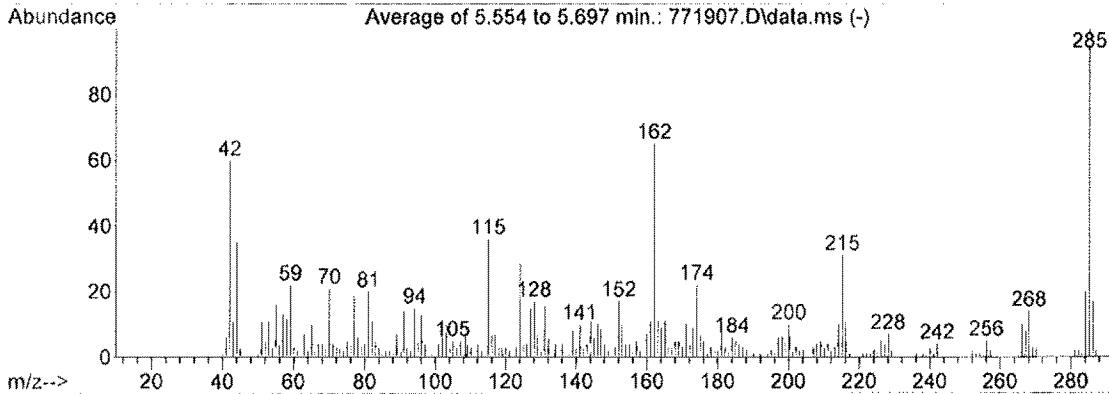


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 2 | 5.61 | C:\Database\NIST05a.L | | |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |

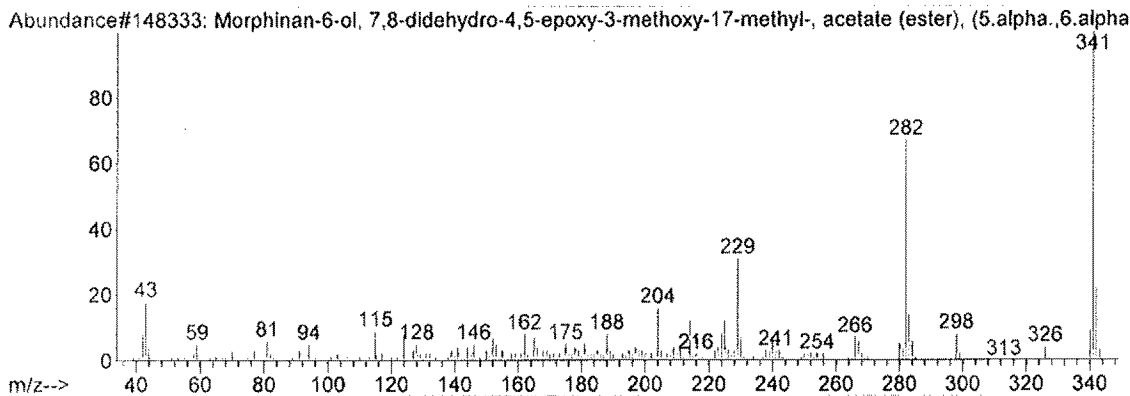
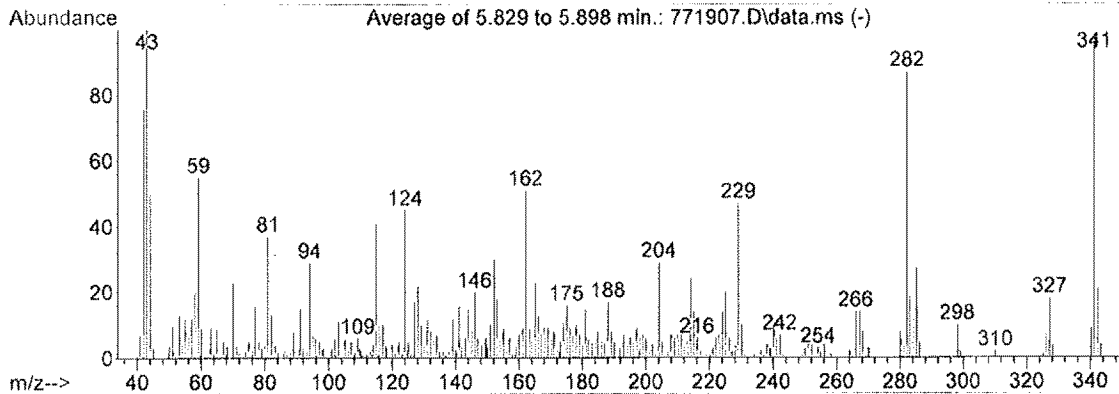


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 3 | 5.87 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 97 |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 97 |
| | | Morphin, 3-acetyl- | 1000153-00-1 | 92 |

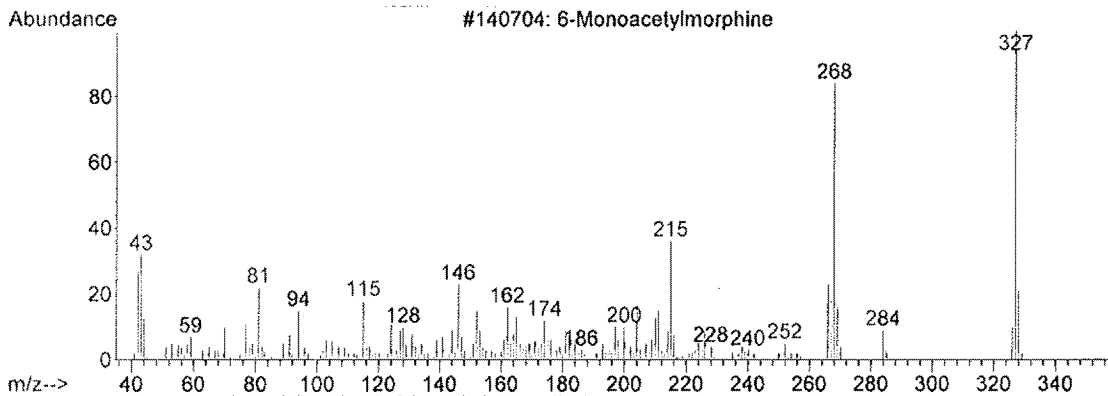
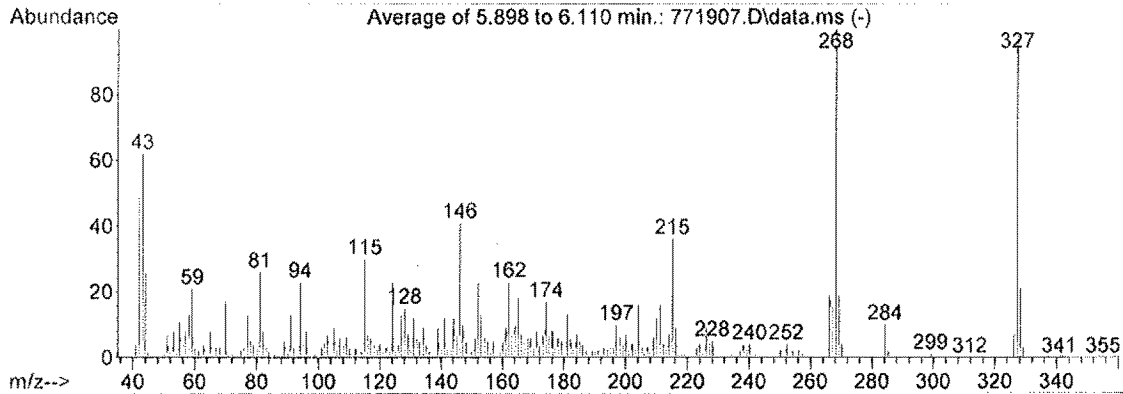


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 4 | 5.95 | C:\Database\NIST05a.L | | |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |

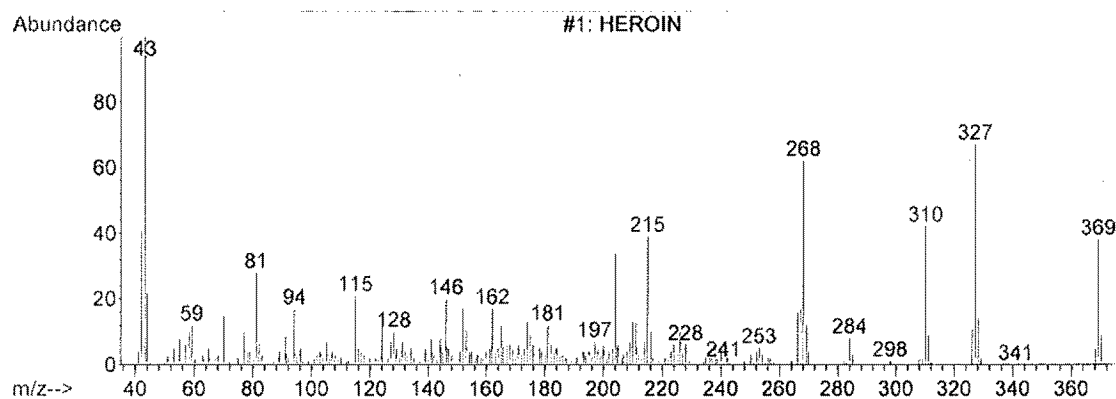
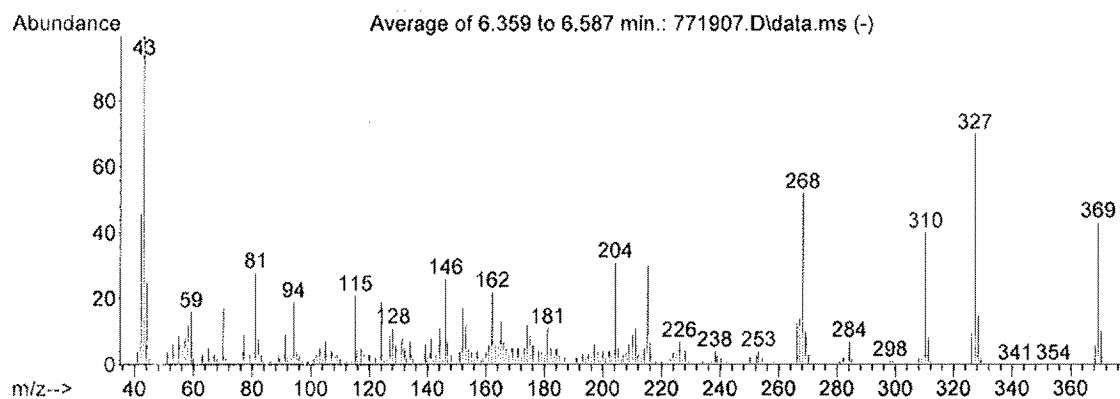


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

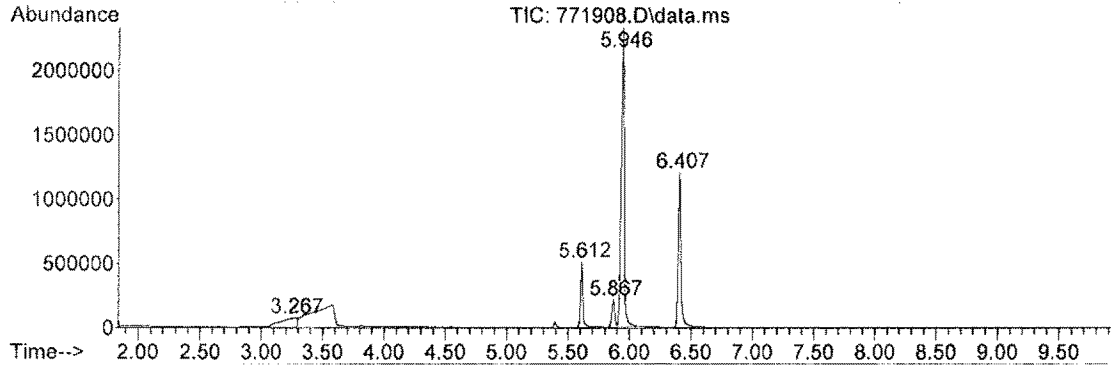
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 5 | 6.41 | C:\Database\SLI.L HEROIN | 000561-27-3 | 99 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE



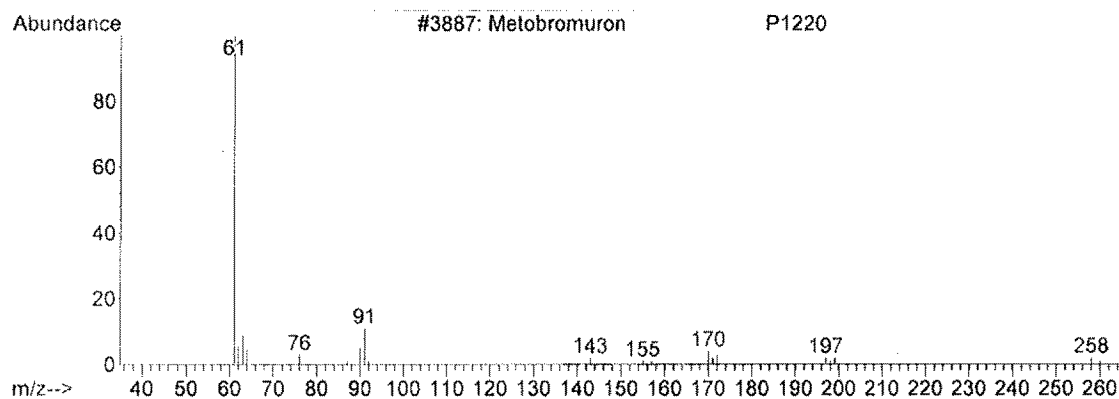
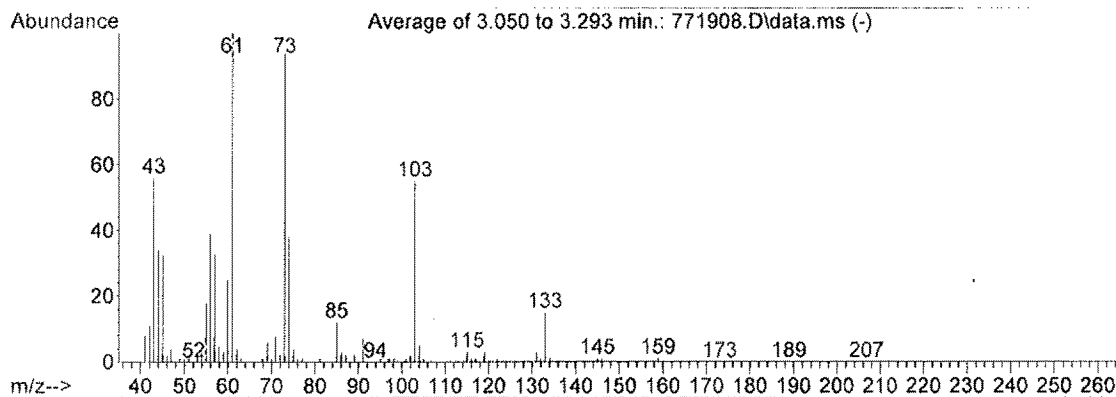
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.267 | 629037 | 8.12 | 15.08 |
| 5.612 | 699390 | 9.03 | 16.76 |
| 5.867 | 334629 | 4.32 | 8.02 |
| 5.946 | 4172296 | 53.88 | 100.00 |
| 6.407 | 1908470 | 24.65 | 45.74 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------|-------------|------|
| 1 | 3.27 | C:\Database\PMW_TOX2.L | | |
| | | Metobromuron | 003060-89-7 | 4 |
| | | Myristic acid | 000544-63-8 | 2 |
| | | Monolinuron | 001746-81-2 | 2 |

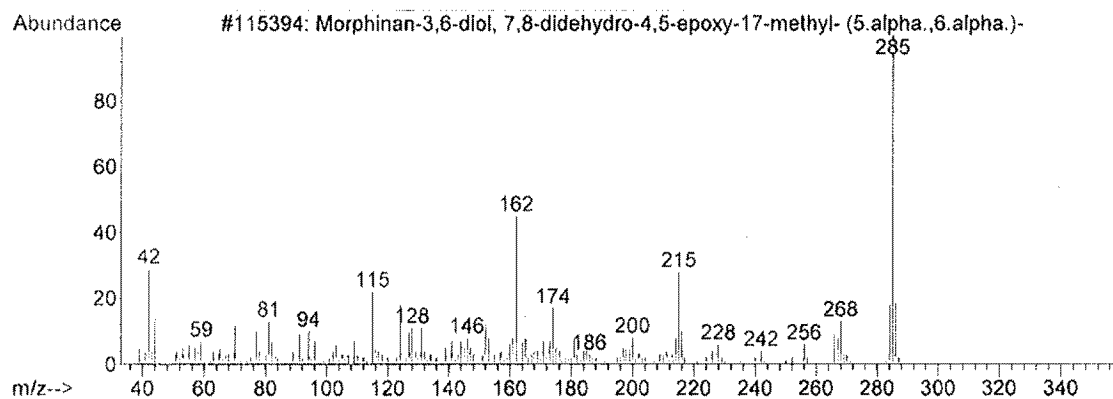
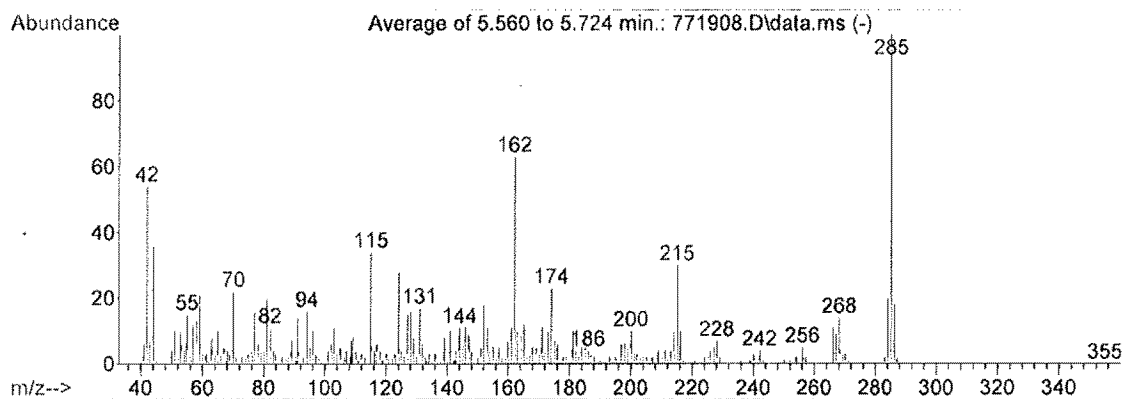


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 2 | 5.61 | C:\Database\NIST05a.L | | |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |

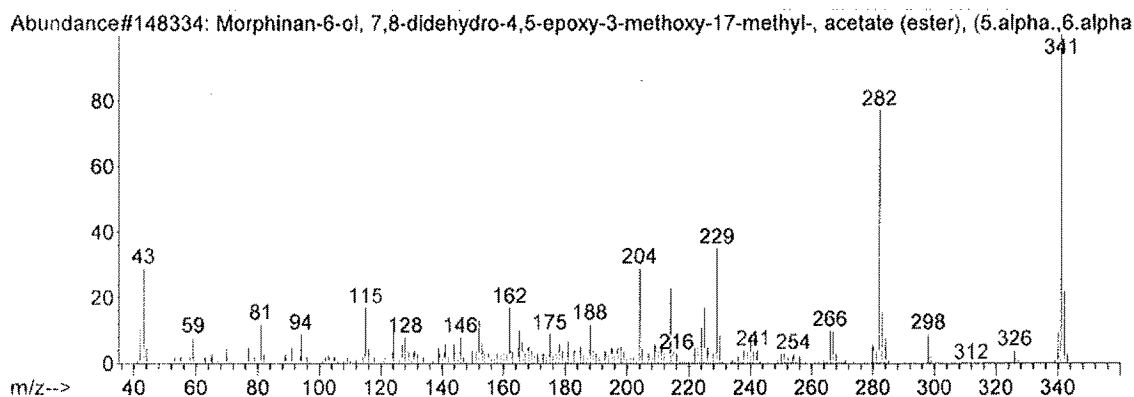
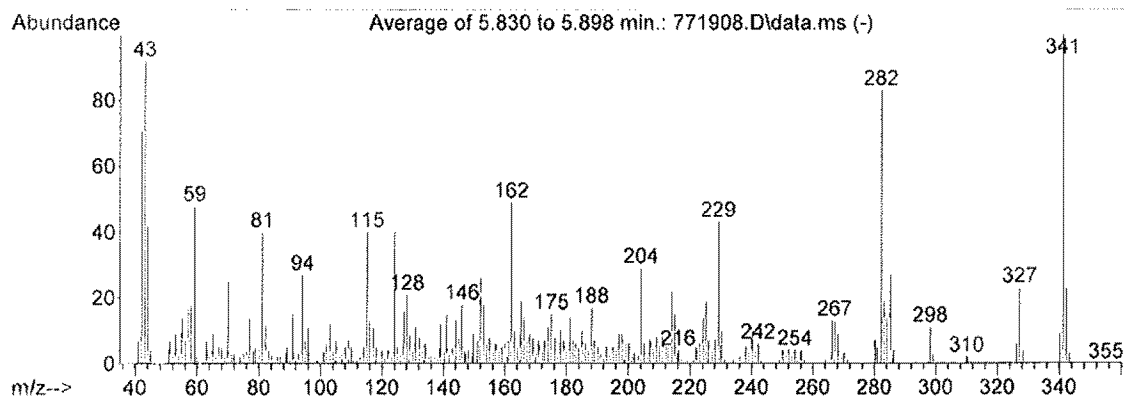


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 3 | 5.87 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Acetylcodein | 1000153-00-2 | 98 |

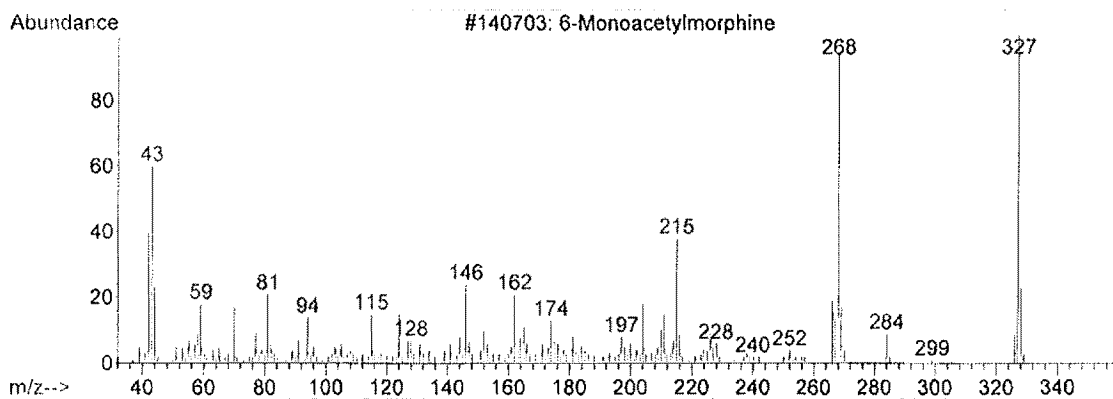
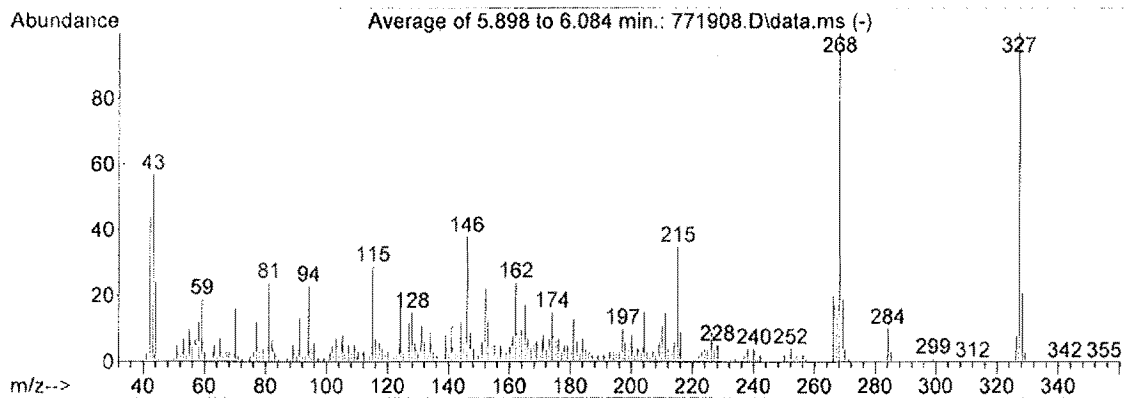


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 4 | 5.95 | C:\Database\NIST05a.L | | |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |

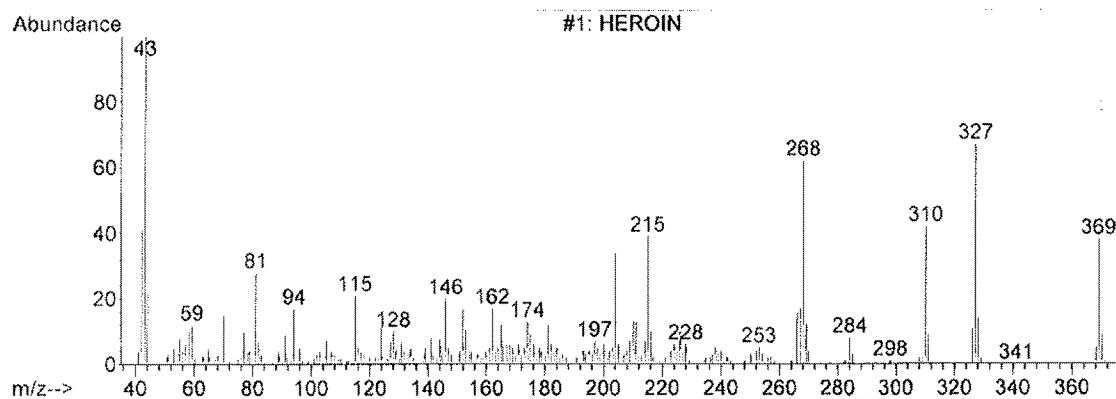
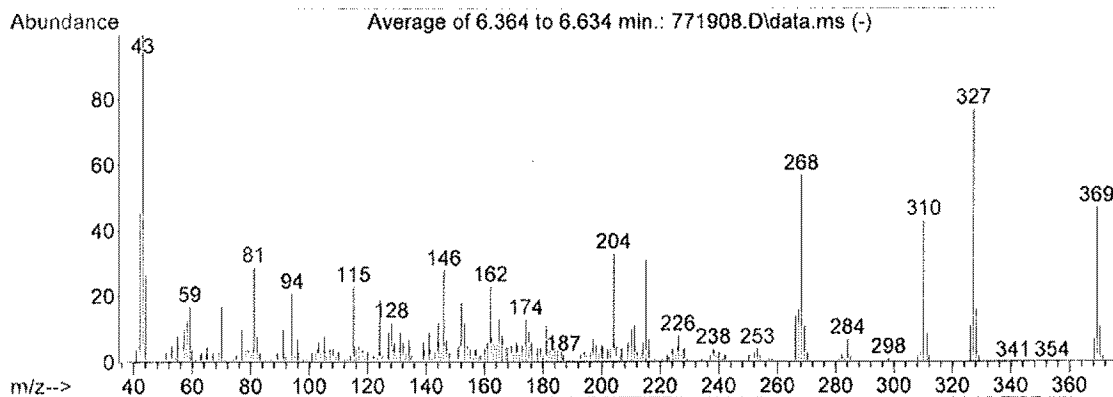


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE

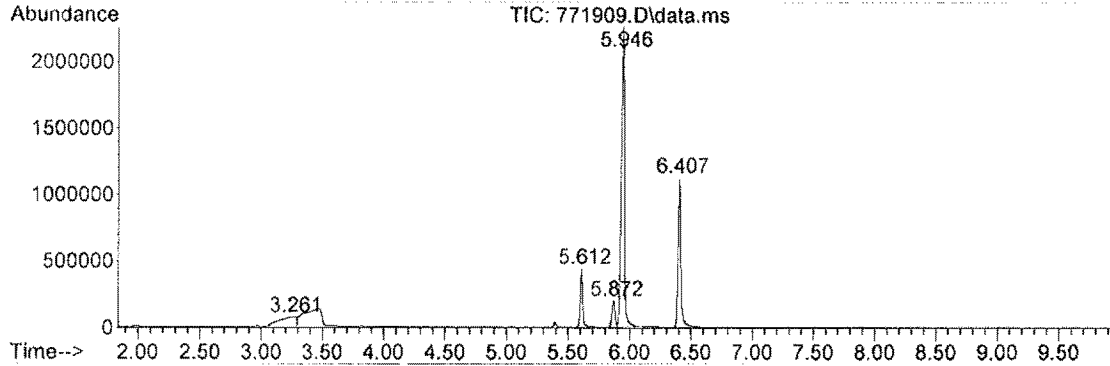
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 5 | 6.41 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | JWH-073 | 208987-48-8 | 2 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771909.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE



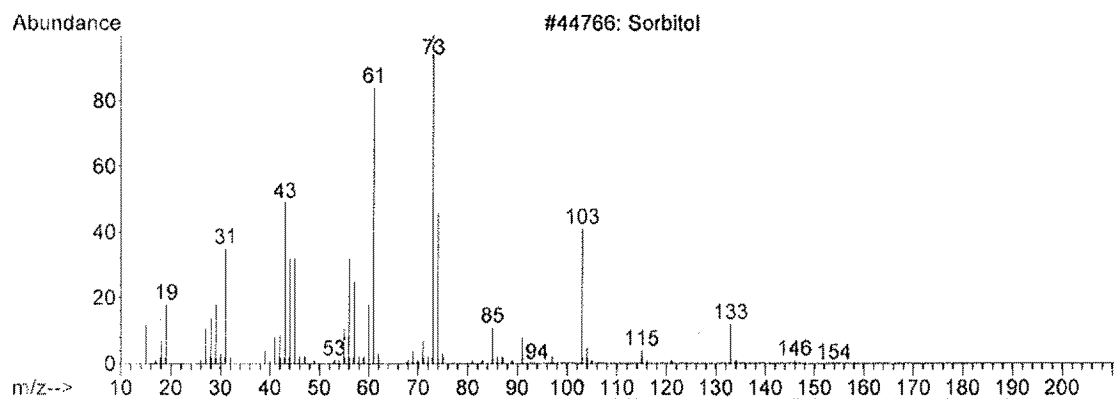
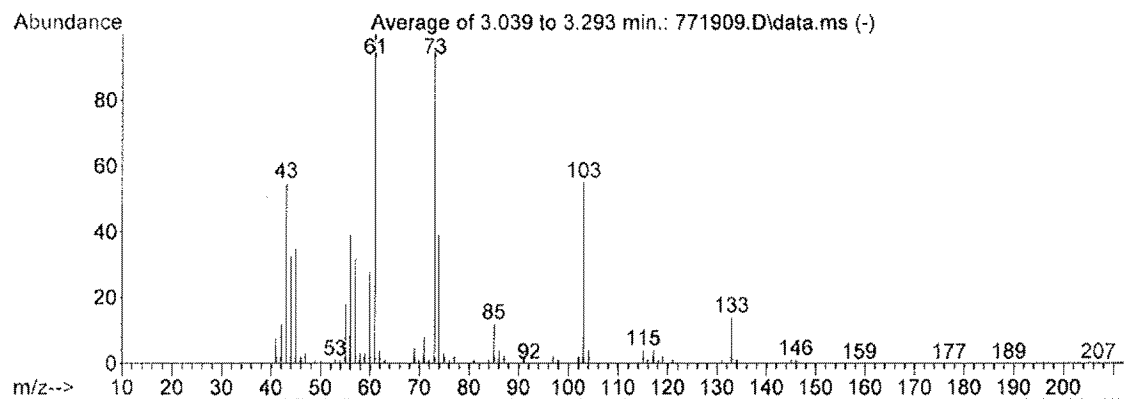
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.261 | 724023 | 9.61 | 18.01 |
| 5.613 | 634422 | 8.42 | 15.78 |
| 5.872 | 325760 | 4.32 | 8.10 |
| 5.946 | 4020959 | 53.36 | 100.00 |
| 6.407 | 1830160 | 24.29 | 45.52 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771909.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.26 | C:\Database\NIST05a.L | | |
| | | Sorbitol | 000050-70-4 | 87 |
| | | D-Mannitol | 000069-65-8 | 78 |
| | | Sorbitol | 000050-70-4 | 64 |

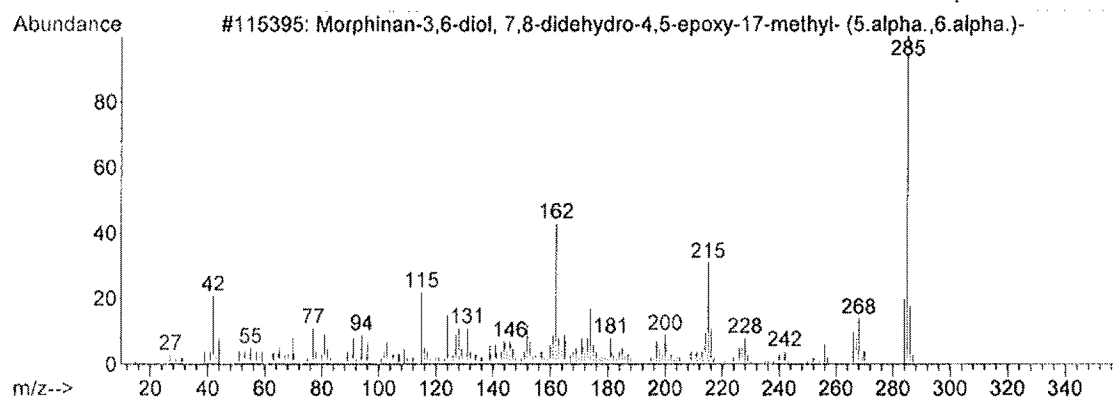
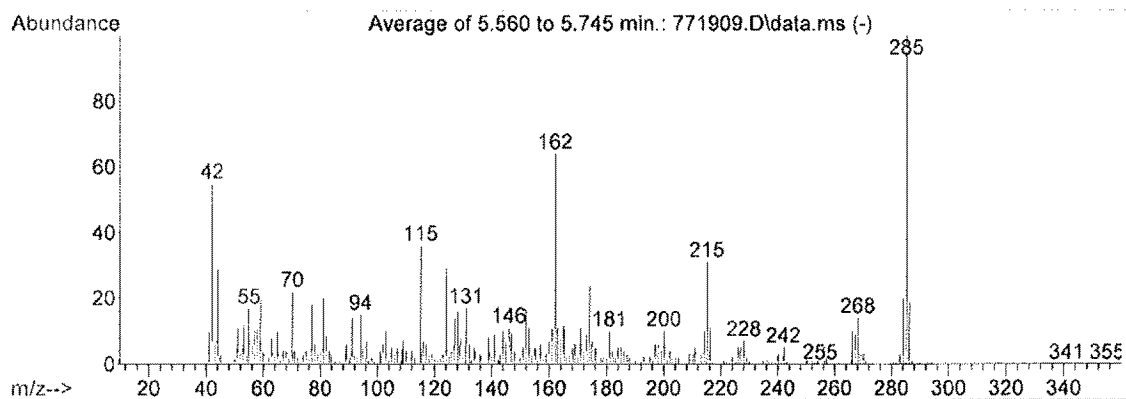


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771909.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 2 | 5.61 | C:\Database\NIST05a.L | | |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |

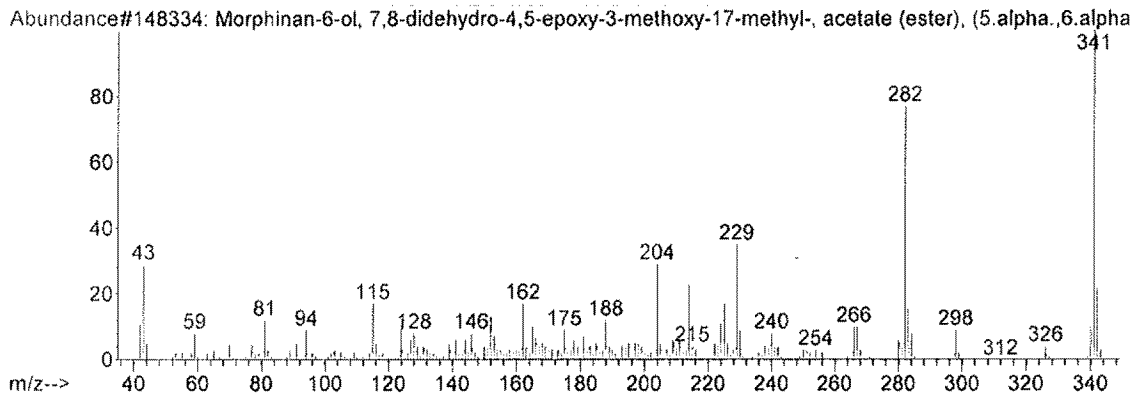
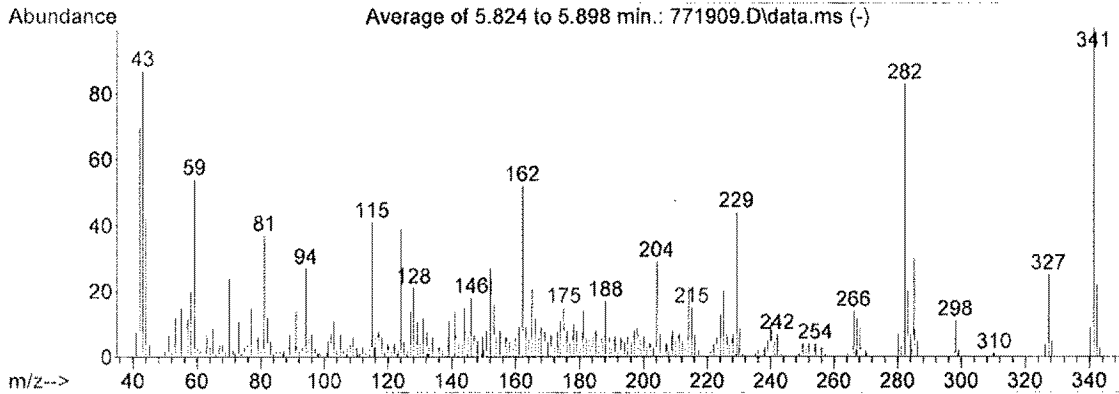


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771909.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 3 | 5.87 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Acetylcodein | 1000153-00-2 | 95 |

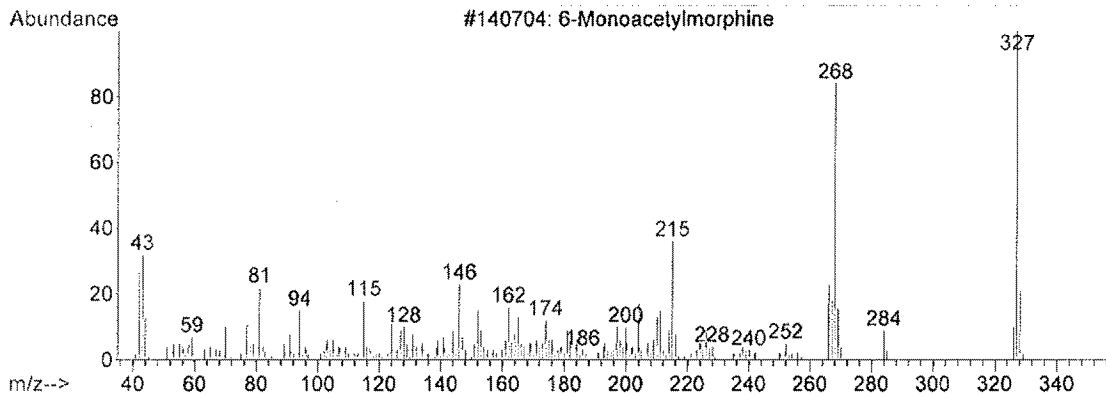
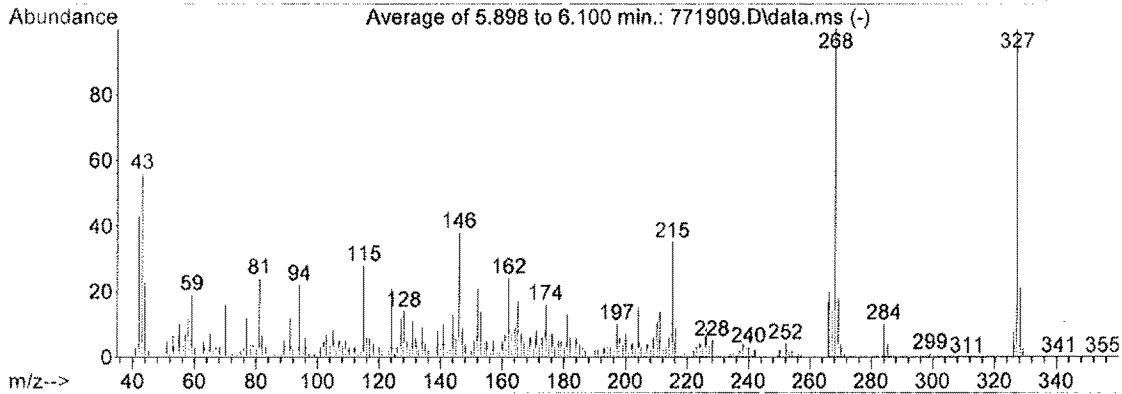


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771909.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 4 | 5.95 | C:\Database\NIST05a.L | | |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |

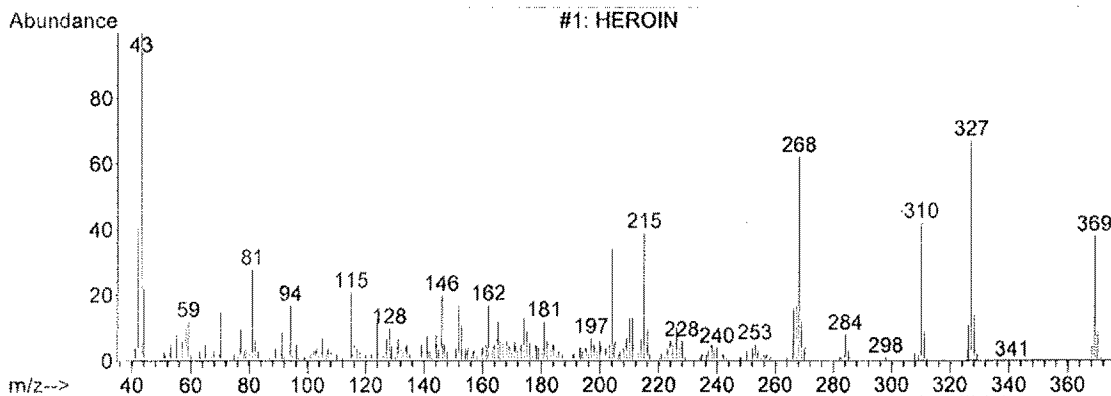
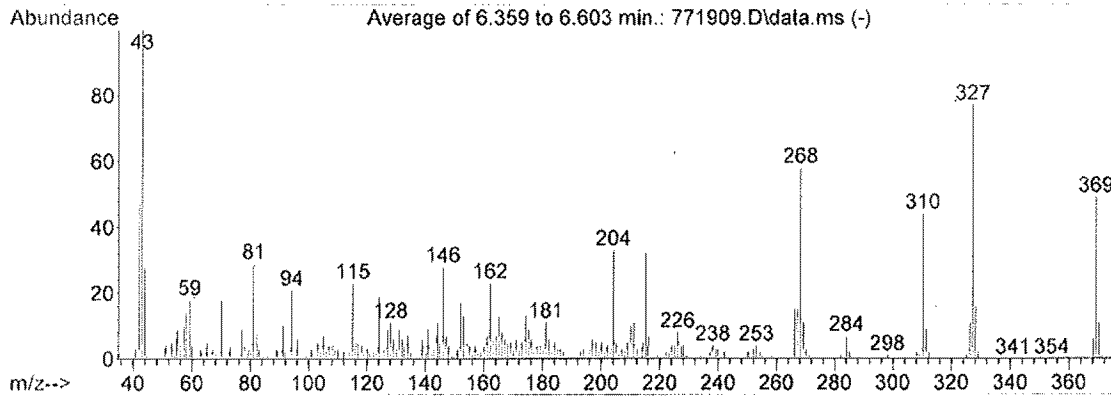


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771909.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

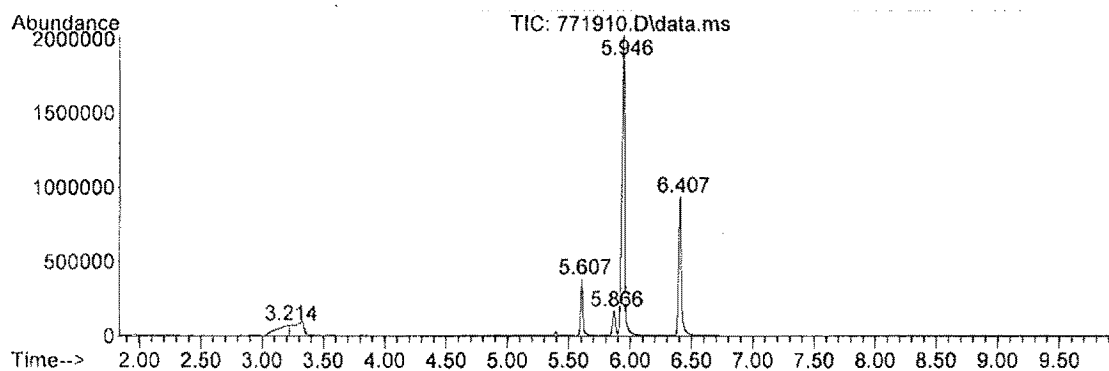
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 5 | 6.41 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | JWH-073 | 208987-48-8 | 2 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE



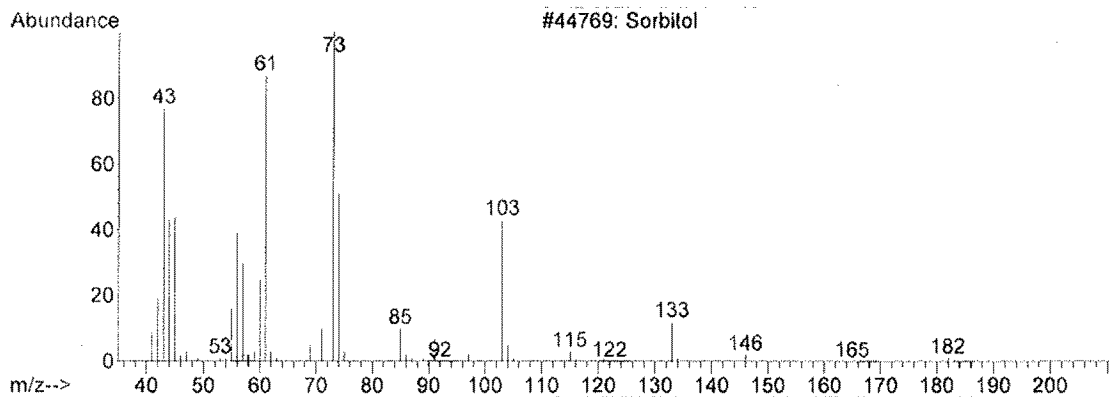
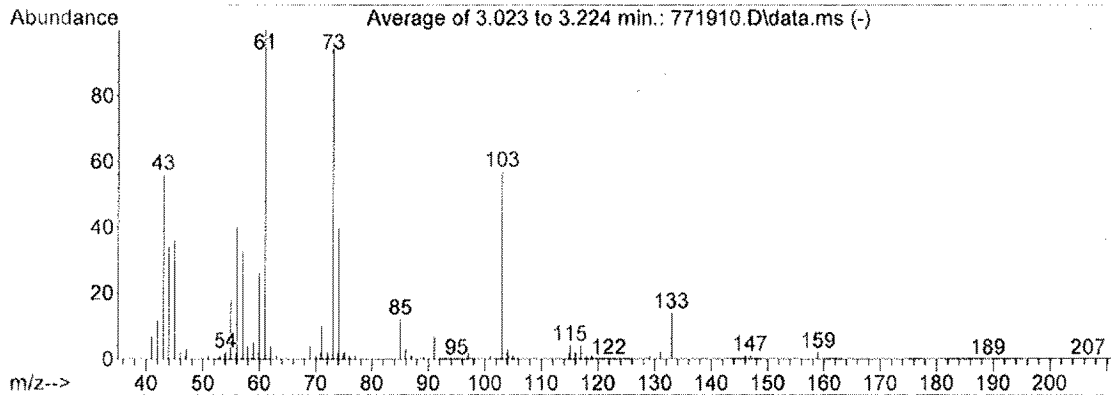
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.214 | 497068 | 7.96 | 14.52 |
| 5.607 | 526511 | 8.43 | 15.38 |
| 5.866 | 266490 | 4.27 | 7.79 |
| 5.946 | 3422257 | 54.80 | 100.00 |
| 6.407 | 1532774 | 24.54 | 44.79 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.21 | C:\Database\NIST05a.L | | |
| | | Sorbitol | 000050-70-4 | 80 |
| | | Sorbitol | 000050-70-4 | 72 |
| | | Sorbitol | 000050-70-4 | 72 |

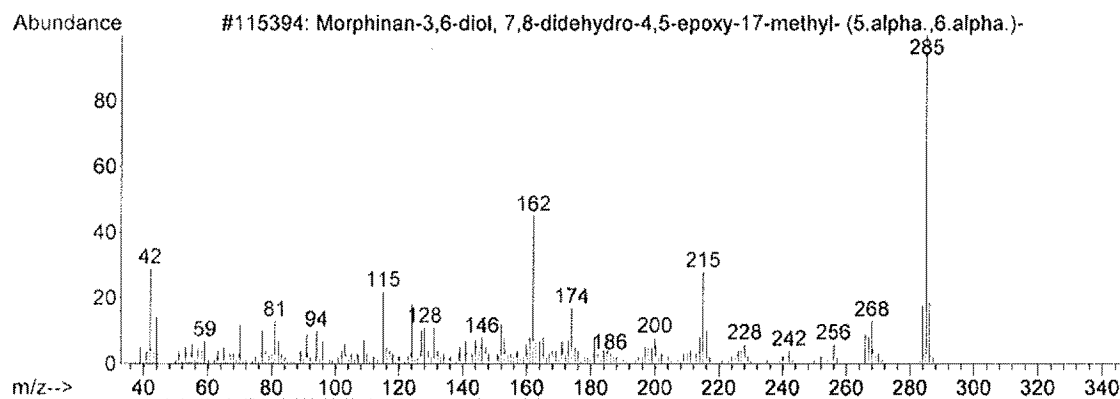
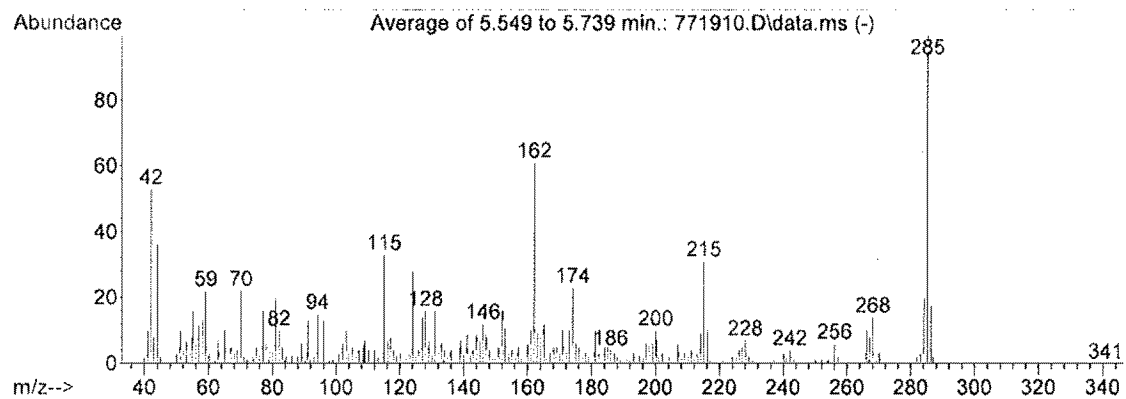


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 2 | 5.61 | C:\Database\NIST05a.L | | |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |

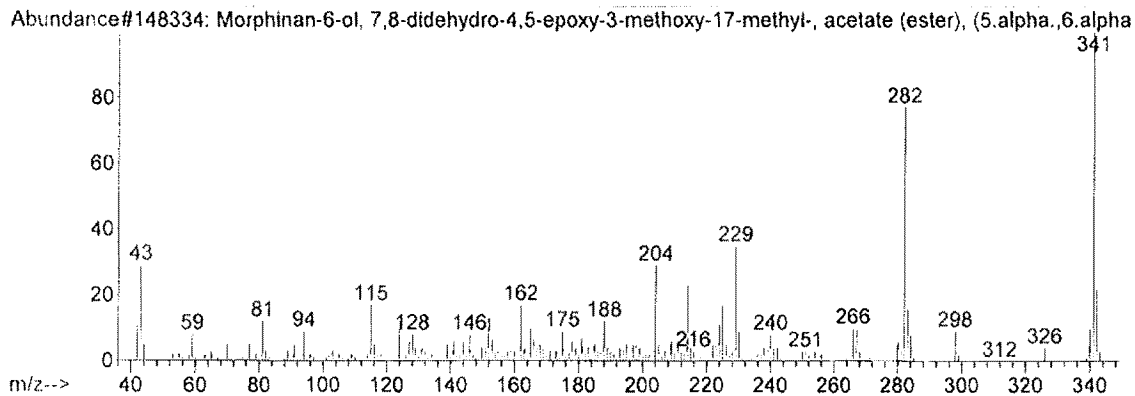
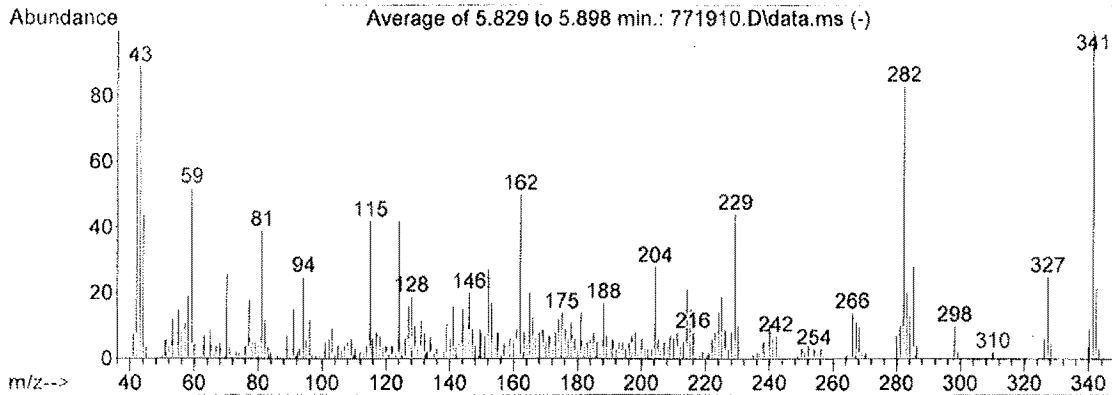


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 3 | 5.87 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Acetylcodein | 1000153-00-2 | 95 |

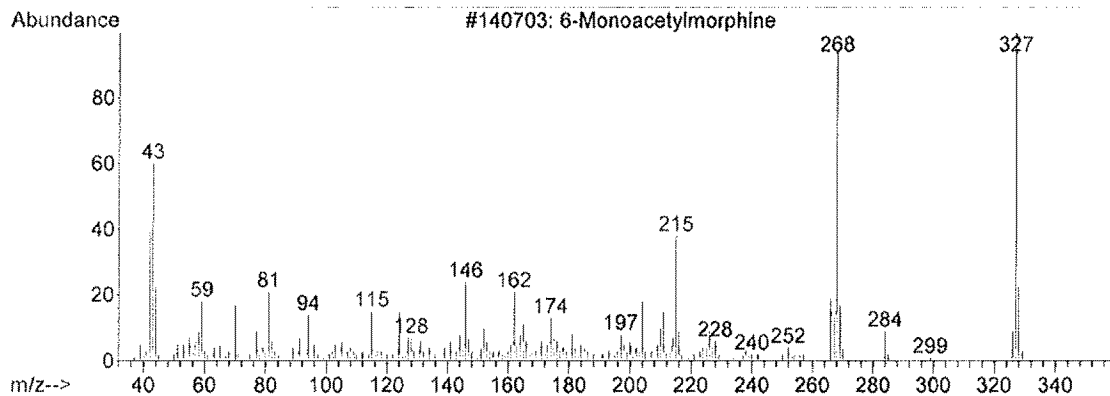
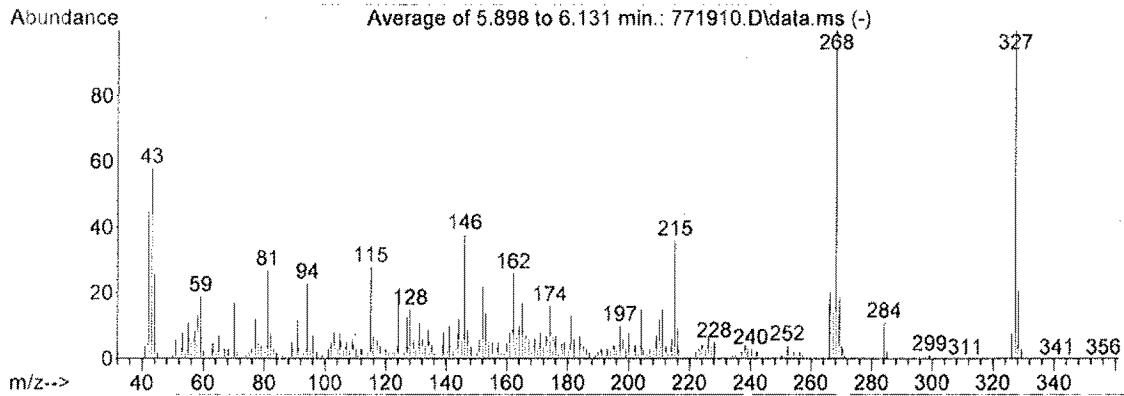


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 4 | 5.95 | C:\Database\NIST05a.L | | |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |

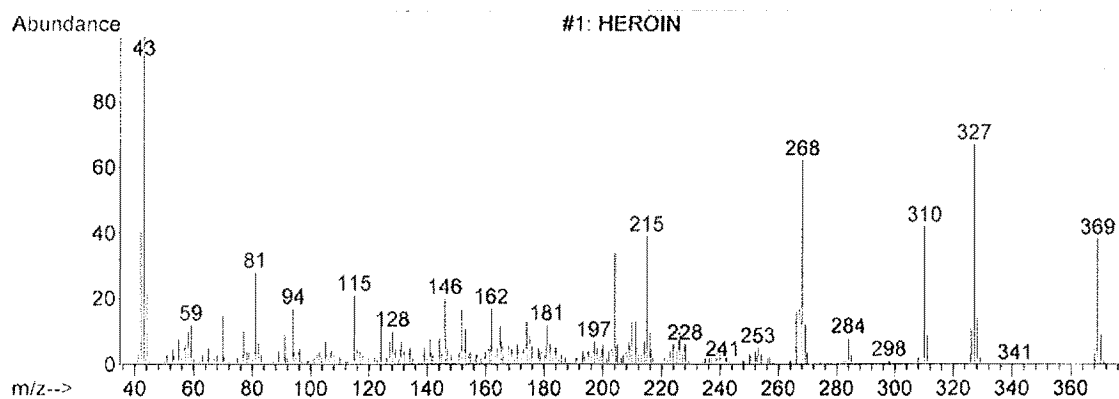
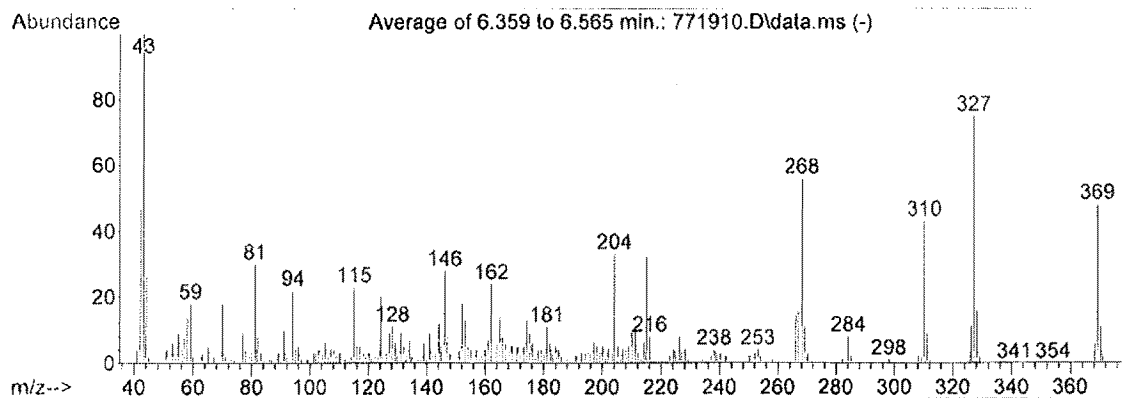


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE

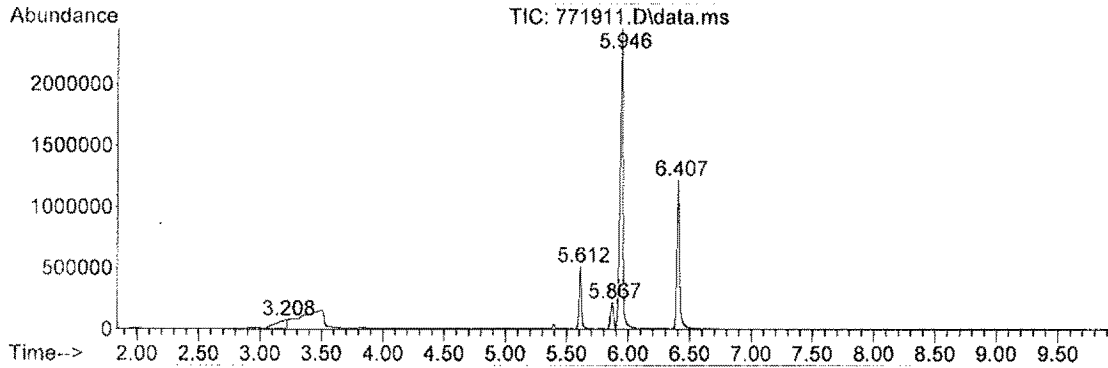
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 5 | 6.41 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | JWH-073 | 208987-48-8 | 2 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:54
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE



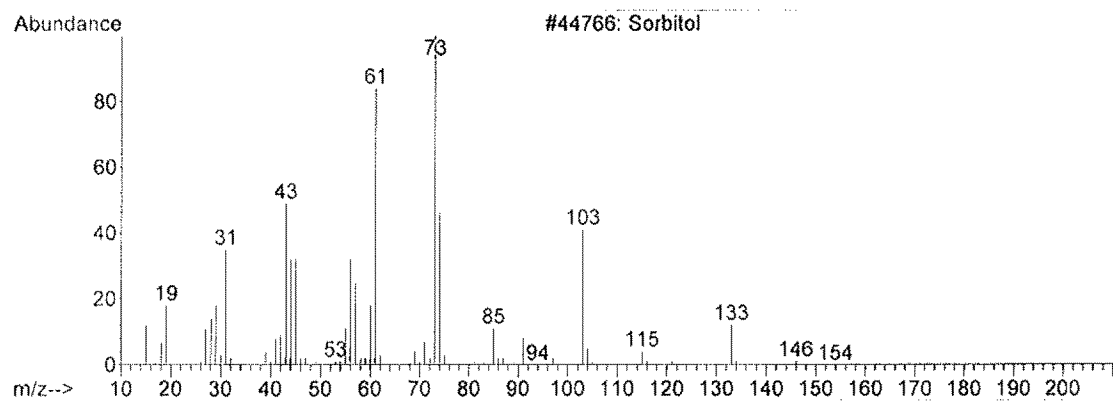
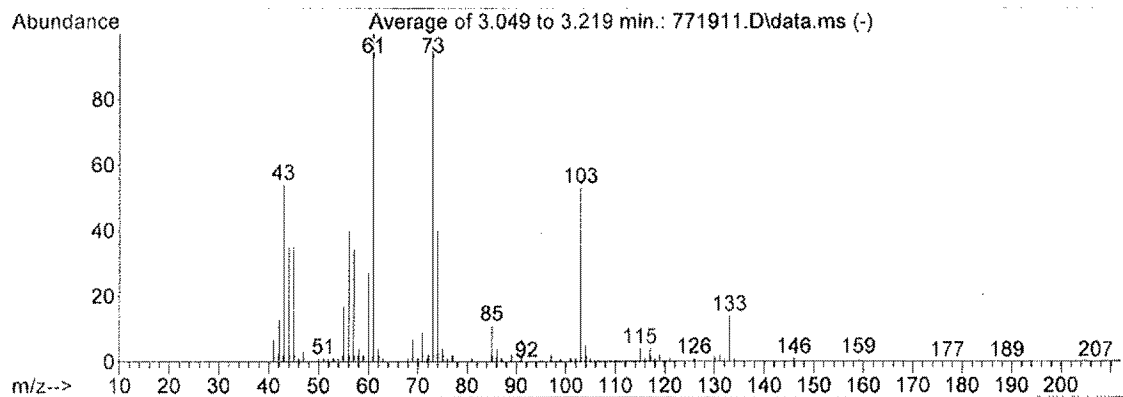
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.208 | 404964 | 5.32 | 9.62 |
| 5.612 | 713169 | 9.37 | 16.94 |
| 5.867 | 351629 | 4.62 | 8.35 |
| 5.946 | 4210108 | 55.33 | 100.00 |
| 6.407 | 1928628 | 25.35 | 45.81 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:54
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.21 | C:\Database\NIST05a.L | | |
| | | Sorbitol | 000050-70-4 | 87 |
| | | Sorbitol | 000050-70-4 | 86 |
| | | D-Mannitol | 000069-65-8 | 83 |



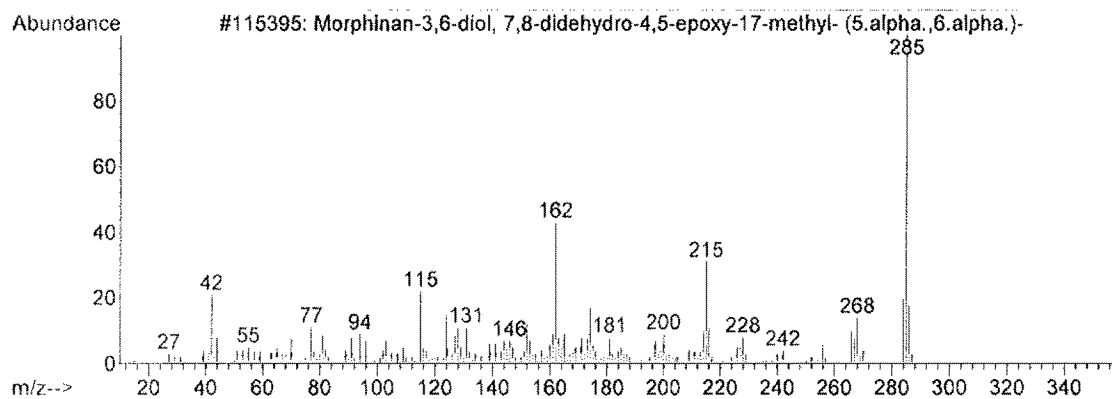
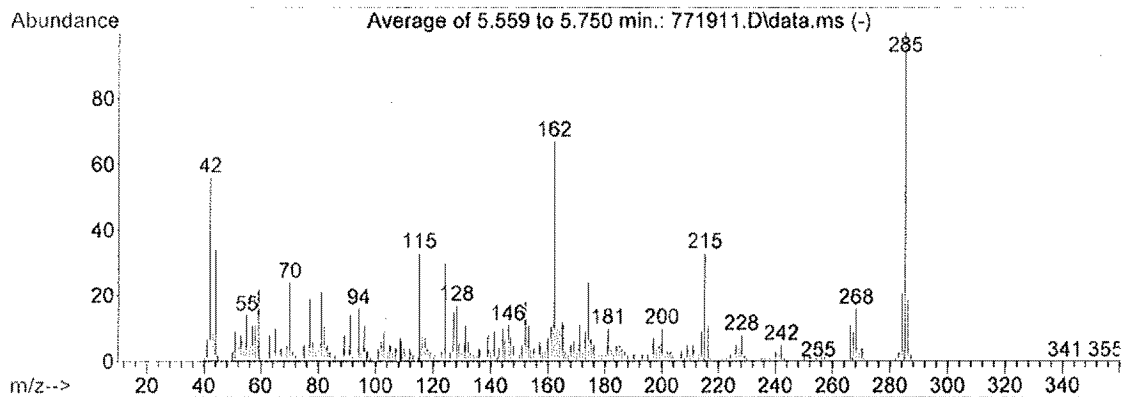
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
 Operator : KAC
 Date Acquired : 15 Feb 2011 10:54
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 11
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 2 | 5.61 | C:\Database\NIST05a.L | | |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |

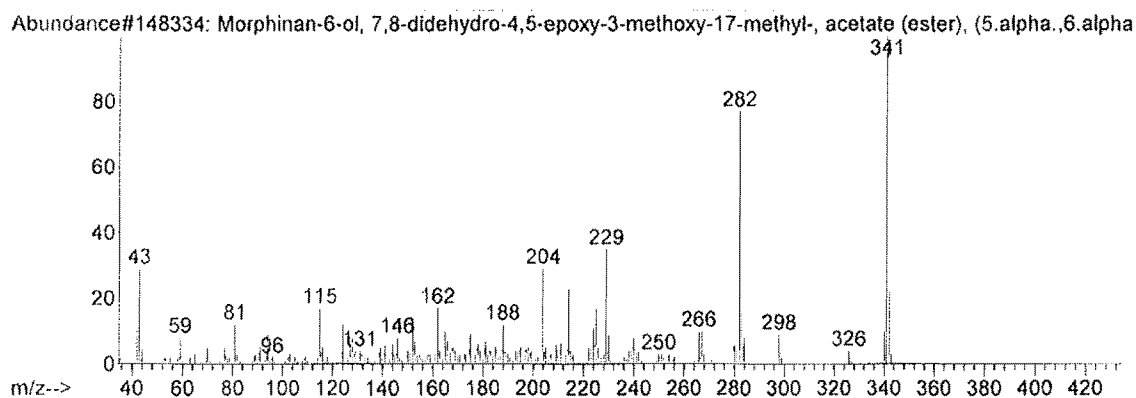
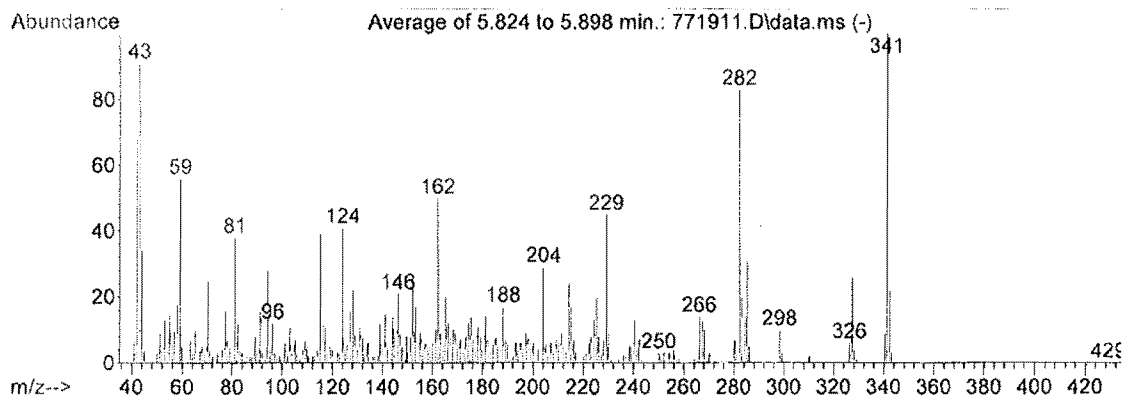


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:54
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 3 | 5.87 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 96 |
| | | Acetylcodein | 1000153-00-2 | 95 |

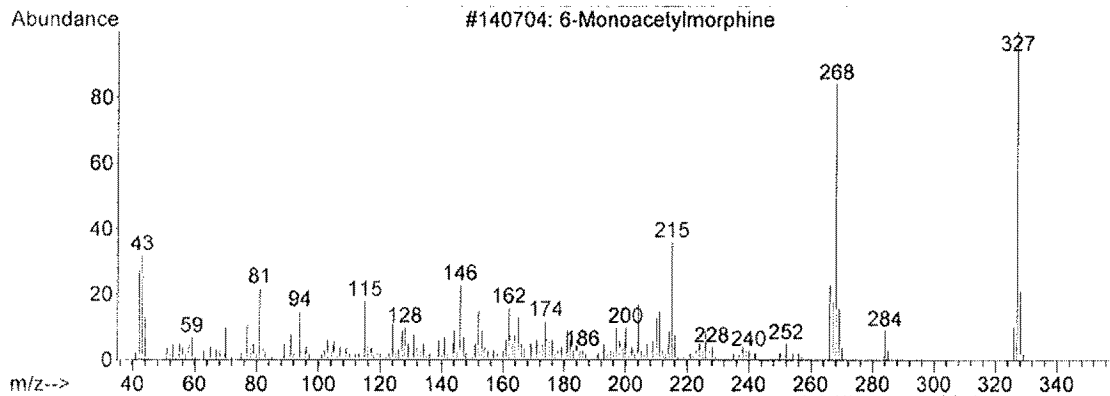
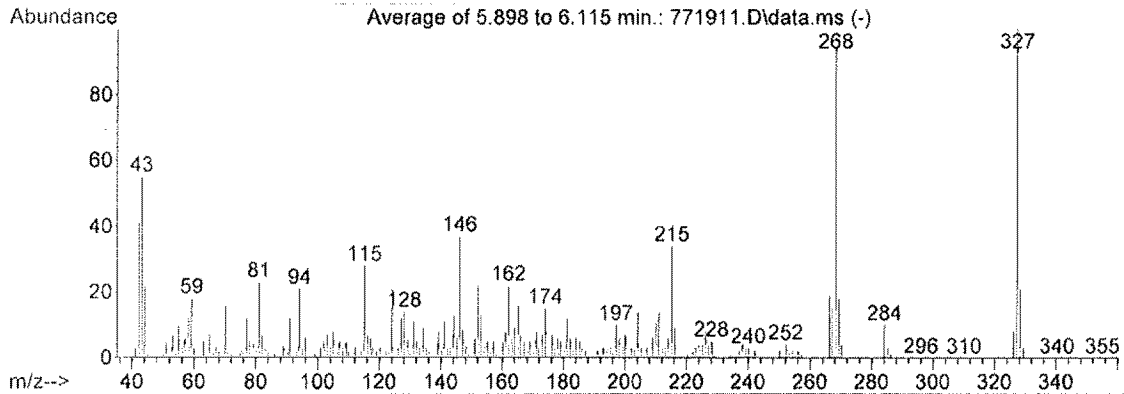


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:54
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 4 | 5.95 | C:\Database\NIST05a.L | | |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |

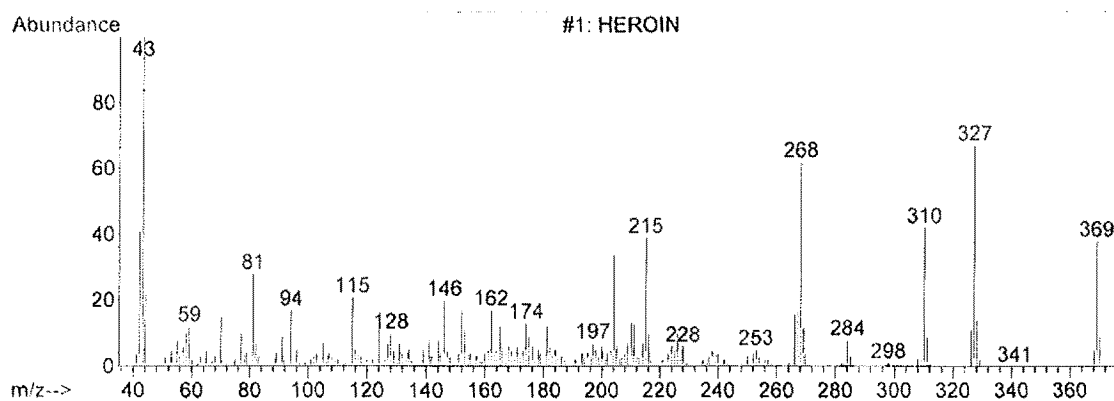
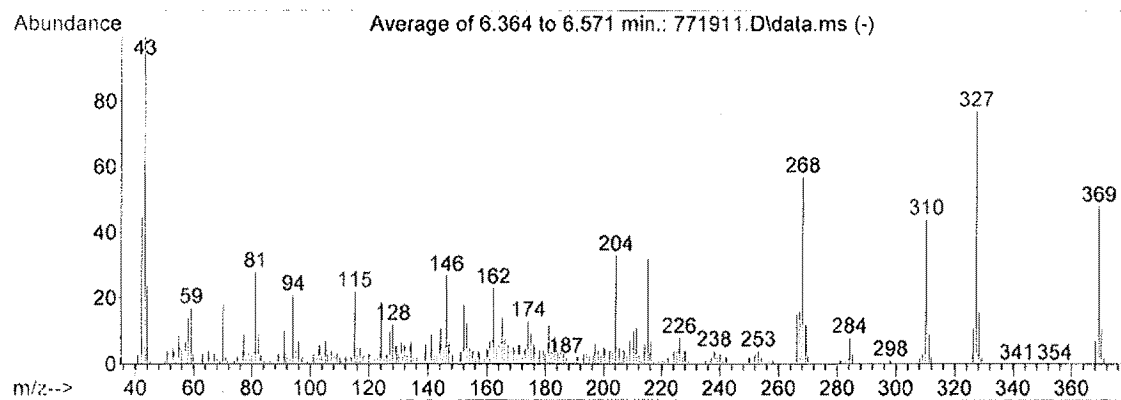


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:54
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

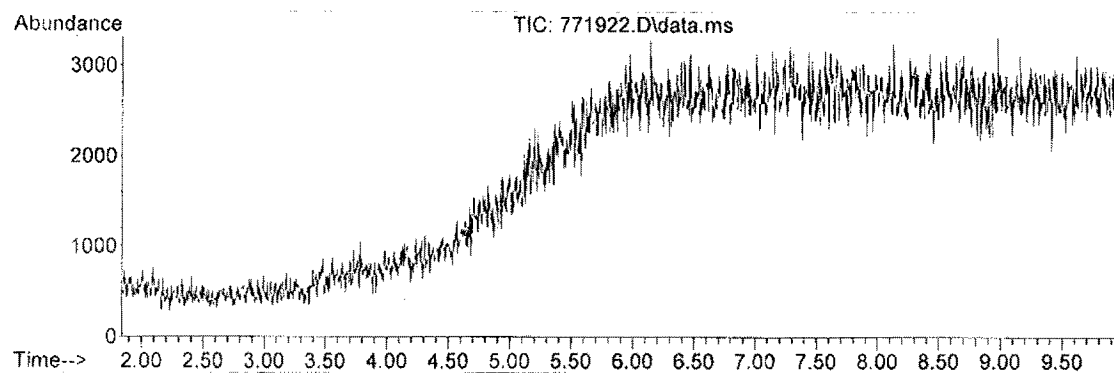
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 5 | 6.41 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | JWH-073 | 208987-48-8 | 2 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771922.D
Operator : KAC
Date Acquired : 15 Feb 2011 13:12
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

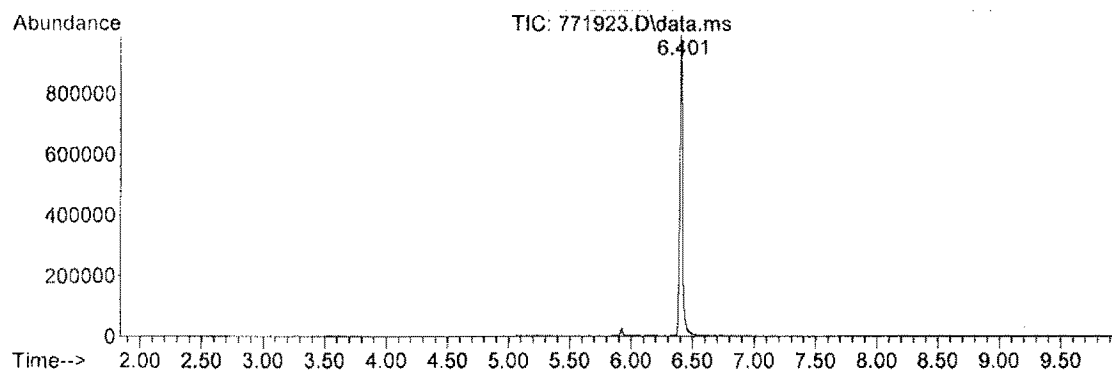


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771923.D
Operator : KAC
Date Acquired : 15 Feb 2011 13:25
Sample Name : HEROIN STD
Submitted by :
Vial Number : 23
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

| | | | |
|-------|---------|--------|--------|
| 6.401 | 1598308 | 100.00 | 100.00 |
|-------|---------|--------|--------|

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771923.D
Operator : KAC
Date Acquired : 15 Feb 2011 13:25
Sample Name : HEROIN STD
Submitted by :
Vial Number : 23
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 1 | 6.40 | C:\Database\SLI.L HEROIN | 000561-27-3 | 99 |

